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THE CHEMIST and DRUGGIST *JULY 6, 1946*

The CHEMIST AND DRUGGIST

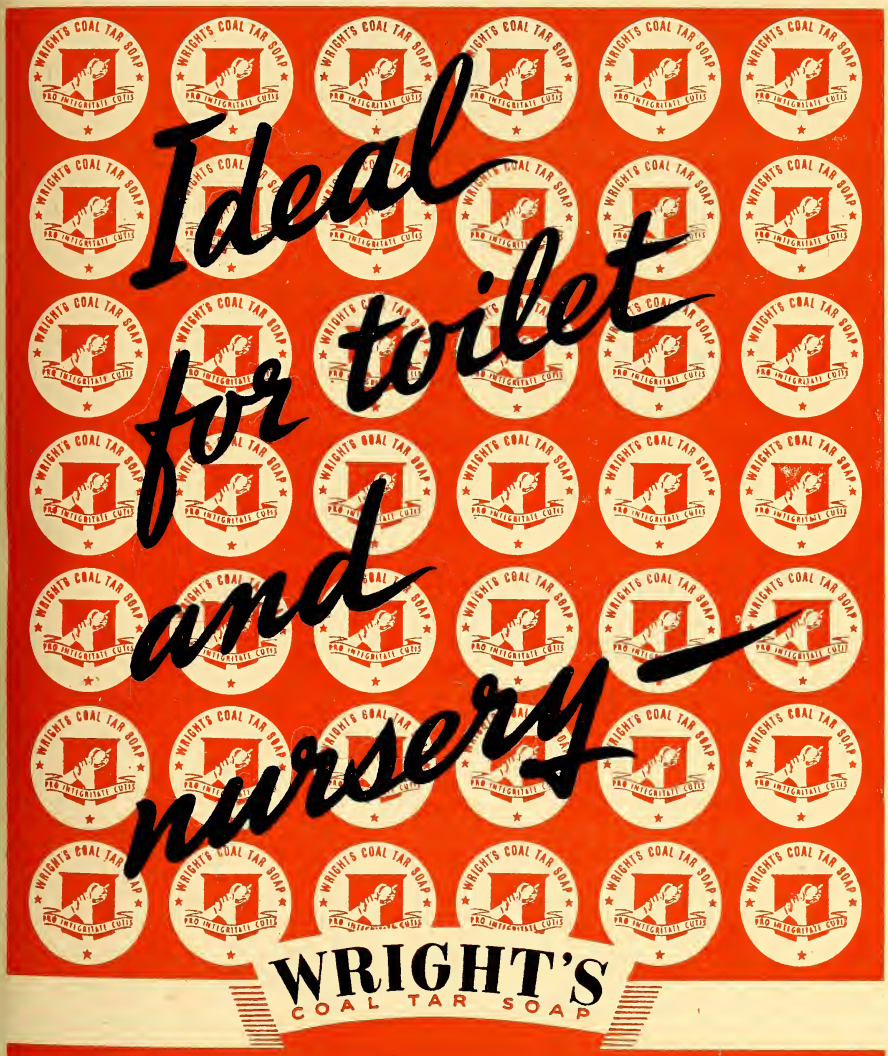
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2. *Registered as a Newspaper*

No. 3465
VOL. CXLVI

JULY 6, 1946

Annual Subscription (with Diary) 25/-. *Single copies* 9d.



WRIGHT, LAYMAN & UMNEY LTD. SOUTHWARK · LONDON · S.E.1 · HOP 2315

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Announcing

'Benadryl'

An Anti-allergic and Antispasmodic Agent for Oral Use

'Benadryl' is a synthetic compound which belongs to a new and distinct pharmacological group having a specific anti-histamine action.

Extensive clinical studies have shown that 'Benadryl' affords relief in a variety of allergic manifestations, including hayfever, urticaria, contact dermatitis and serum reactions. It is also effective in relieving the spasm of smooth muscle, such as may occur in dysmenorrhœa, etc.

'Benadryl' is administered orally and, in responsive conditions, it exerts a beneficial effect within a few hours. The most striking results reported have been in the control of symptoms associated with hayfever and urticaria.

'Benadryl' is issued in bottles of 50 capsules each containing 50 mgm., but at present supplies are strictly limited.

PARKE, DAVIS & COMPANY
50 Beak Street, London, W.1
Inc. U.S.A., Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

Elasto

REGISTERED

A PRODUCT OF BIO-CHEMICAL RESEARCH

Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon."

AP 1180. —— R. P.

Rheumatism

"I may say that I have found 'Elasto' a wonderful help. For years I suffered with rheumatism in feet and legs, and at times found it difficult to keep about. 'Elasto,' however, afforded me immediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since."

AT 1108. —— F. T.

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"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263. —— E. H.

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!

★ 1/6 Profit on every sale

Retail Price 5/- per pkt. * Including purchase tax.

Wholesale 42/- per doz. * Including purchase tax.

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The NEW ERA TREATMENT CO., LTD.

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EXTRACT OF IPECAC. LIQ.
DRUG GRINDING

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World conditions may determine availability of supplies

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(Scales or Granular)

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Combining DDT in correct proportion with other toxic ingredients, Pestro destroys insect pests wherever it is sprinkled. Although extremely powerfu it is entirely safe for use on domestic animals and birds.

Summer weather means a still bigger demand for this modern insecticid Make sure that you will have adequate stocks of Pestroy in both sizes.*

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The non-toxic highly-active œstrogen

Dienœstrol is the most potent synthetic œstrogen yet discovered. As it possesses the advantage of being non-toxic, physicians are prescribing it freely for patients who are intolerant to stilbœstrol. Dienœstrol B.D.H. is available in tablets at the following prices (tablets of higher strengths are available if required for special clinical purposes): —

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0.3	25	10d.	1/1	1/3
	100	2/-	2/8	3/-
	* 500	8/-	10/9	12/-
	*1,000	12/-	16/2	18/-
1	25	1/-	1/4	1/6
	100	3/-	4/-	4/6
	* 500	12/-	16/2	18/-
	*1,000	18/-	24/3	27/-
5	25	2/-	2/8	3/-
	100	6/-	8/1	9/-
	* 500	24/-	32/5	36/-
	*1,000	36/-	48/6	54/-

Not subject to Purchase Tax * For Dispensing only

THE BRITISH DRUG HOUSES LIMITED LONDON N.1

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Disinfectants

to Hospitals, Public Institutions, Local Councils, &c

REMEMBER that

BURT, BOULTON & HAYWOOD LTD. Managers to

the PRINCE REGENT TAR COMPANY, LTD

give you special terms.

Carbolic Disinfecting Fluids containing 10% to 80% Tar Acids.

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are again freely available in a wide range of titles including Chilblain, Lanoline, Wintergreen, Zinc and other B.P. and B.P.C. formulæ. Several exclusive prescriptions are also included in the series.

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Prices and Samples on application.

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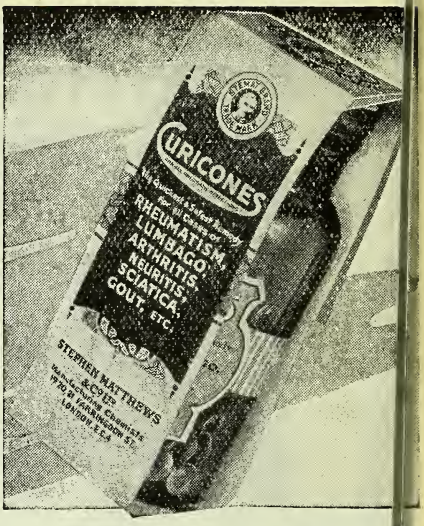
Manufacturing Chemists
LINTHWAITE, HUDDERSFIELD



CUSTOMERS *WANT* THE LARGE 24/- SIZE

You can order it!

We are pleased to draw attention to the fact that

5/- and 24/- Bottles of

CURICONES

are always available through all leading wholesalers

We draw special attention to this because in recent weeks, many instances have come to light of intending purchasers being informed that these sizes are unobtainable

ORDER THROUGH YOUR USUAL WHOLESALER

CURICONES

For the relief of Rheumatism and kindred troubles

STEPHEN MATTHEWS & CO., LTD
19-21 FARRINGDON ST., LONDON, E.C.

PROGRESSIVE PENETRATION OF WORLD MARKETS

IN THE SAME WAY MEGGEZONES PENETRATE AND DISPERSE CATARRHAL SECRETION IN THE NASAL MEMBRANE.

Export Pack

THIS YEAR of 1946 is a milestone in the history of the House of Meggeson which was founded in the City of London in 1796. BEHIND ALL MEGGESON preparations there are 150 years of accumulated manufacturing experience and a reputation for pharmaceutical products of quality at competitive prices, which is jealously maintained. MEGGEZONES worthily uphold this tradition. Not only in Great Britain, but throughout the world, they have earned an unchallenged reputation for the relief of stubborn coughs, the common cold and catarrhal conditions.

MANUFACTURED IN LONDON, ENGLAND, BY

MEGGESON & CO. LTD., LLEWELLYN GROVE S.E.16 ● Estab. 1796

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products listed below, though not necessarily available to new buyers, will serve as a reminder to those friends in the trade who for many years have shared in their established sales.

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LOSALL'S
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RETAIL PRICE 1/8 .. 12/6 doz.
-do- 3/4 .. 25/- doz.
TAX FREE

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MANUFACTURING CHEMISTS
HULL

COOPER'S HOUSEHO
INSECTICID

— use DDT scientifically

in dozens { Flyspray - - - 3/6, Moth Spray 2/6. Sprayers
½-*grosses Small* { Insect Powder - 1/-, 1/6,
¼-*grosses Med.* { Moth Powder - - 1/6,
1 dozens Large { Bin Powder - - 1/3,

Write for Trade List.

COOPER, McDOUGALL & ROBERTSON L
Berkhamsted, Herts

HOW MANY SUFFER FROM INDIGESTION DAILY?

Nobody knows. But it is certainly a large number. And the demand for antacids to relieve that indigestion is a large one; a demand that comes from all classes and every adult age.

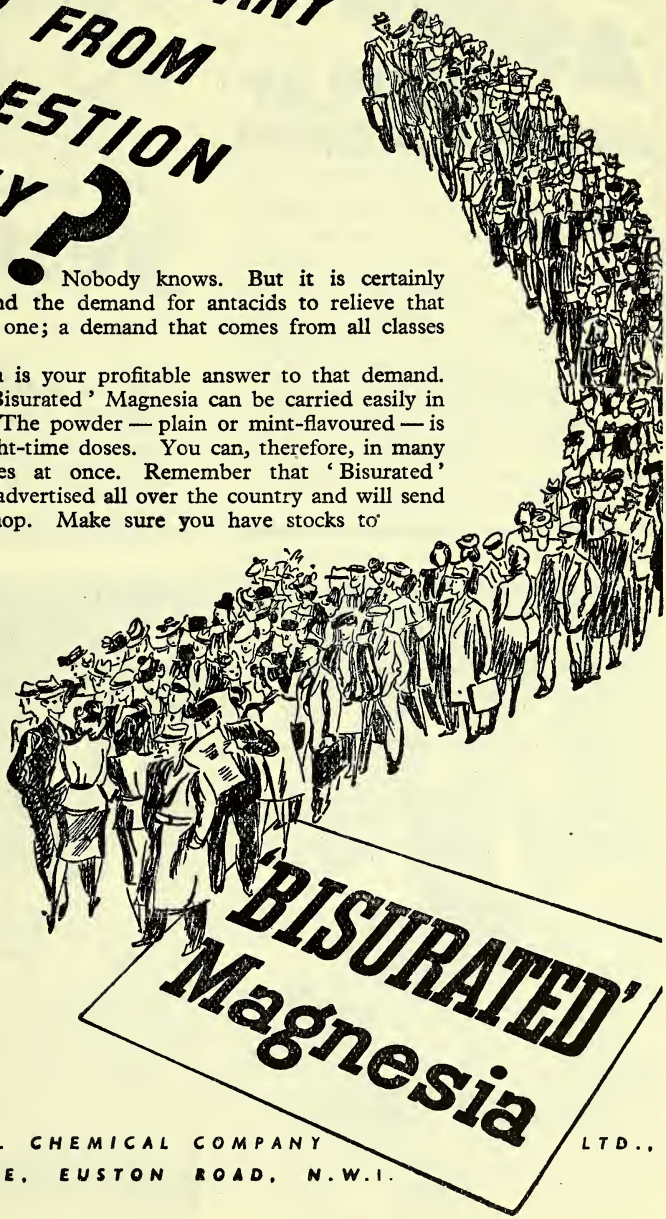
'Bisurated' Magnesia is your profitable answer to that demand. In its tablet form, 'Bisurated' Magnesia can be carried easily in handbag or pocket. The powder — plain or mint-flavoured — is recommended for night-time doses. You can, therefore, in many cases make two sales at once. Remember that 'Bisurated' Magnesia is strongly advertised all over the country and will send customers to *your* shop. Make sure you have stocks to satisfy them.

'Bisurated' Magnesia tablets and powder both retail at 1/5 and 2/10 including purchase tax. Trade price 12/- & 24/- a dozen respectively

Additional quantity discounts:

£3 5% £5 7% £10 10% carriage paid on £3 parcels or over.

Special display bonus of 14 to the dozen for 14 days window or counter display.



INTERNATIONAL CHEMICAL COMPANY LTD.,
CLIFTON HOUSE, EUSTON ROAD, N.W.1.

an 'ASPRO' DISPLAY BRINGS IN THE PASSER-BY!

A new 'ASPRO' public has been growing up in recent years—people who, by practical experience, have come to value the ready help of 'ASPRO' in emergencies. All this growing interest benefits the shop which features A PROMINENT 'ASPRO' WINDOW DISPLAY. People who would otherwise be just "passers-by" become faithful and permanent customers, and their custom is reflected in the general volume of your business.

We look forward to the time when we can send you an entirely new display. In the meantime, if your present 'ASPRO' show is overdue for the salvage bin our stocks are still sufficient to supply you with another of the pre-restriction type illustrated below. Please write us if you need a display or seasonable stickers.

Here is 'ASPRO' the Current DISPLAY

MADE IN ENGLAND BY P.A.T.A. ASPRO LIMITED Slough, Bucks.

THAT MEANS

Yestamin

VITAMIN YEAST

IN TABLETS Vitamin B1, 30 I.U. per gram. Riboflavin B2, 65 mcgs. per gram. Niacin, 455 mcgs. per gram

1/1½ PER 100 ★ 3/- PER 300

TRADE TERMS

Bottles of 100 Tablets: Retailed at 1/1½; 9/- per dozen. Bottles of 300 Tablets: Retailed at 3/-; 24/- per dozen. Less 5% cash in 14 days. *Window and Counter Display Material available.*

THE ENGLISH GRAINS CO. Ltd., Burton-on-Trent

Look before you leap

. . . in other words, the wise man looks before he buys. Make sure of quality, price and presentation before you stock. All our pills, tablets, ointments and ampoules will stand the closest scrutiny—sample them before you buy.

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FOR OVER SIXTY YEARS

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THE MOST COMPLETE
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BUILT OVER 80 YEARS

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& CO. LTD.

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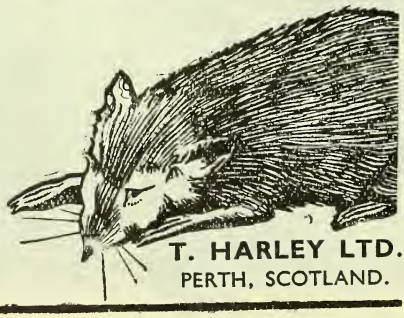
doesn't give rats a chance . . . .

but it gives chemists certainty of steady demand for this well-tried raticide



T. HARLEY LTD.
PERTH, SCOTLAND.

OUR
ADVERTISING PLANS
FROM JULY 1ST.

Commencing July, Leciferrin Lecithin-Iron Tonic will be extensively advertised in the evening and local newspapers in the following concentrated areas :—

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NORTHUMBERLAND—DURHAM

In addition most of the important women's magazines will soon be carrying the Leciferrin advertisements. Link up with our concentrated publicity efforts by window or counter displays, and make sure your stocks are adequate to meet the increased demand. Retail price per bottle 5/6½d. inc. tax.

For up-to-date show material write to the manufacturers:—

LECIFERRIN LIMITED,
John Adam St., London, W.C.2.

"BENZEDRINE INHALERS ARE AVAILABLE FROM ALL CHEMISTS"

True or False?

Obviously true, because if you run out of stock you can quickly obtain them from your wholesaler or from us. The wise retailer, however, makes sure that he can immediately meet all demands from his own stock.

A vigorous advertising campaign to doctors and dentists is now being carried out; your requirements are bound to be increased. Summer colds and hay fever will bring you many customers for 'Benzedrine' Inhalers. Are your stocks adequate?

'BENZEDRINE' INHALER

Special terms on request

MENLEY & JAMES, LIMITED
123 COLDHARBOUR LANE, LONDON, S.E.5.

BIT-2

SPECIAL OFFER — *5 hand written showcards for 10/- Post Free.*
Three lettered "Saccharin Tablets", one lettered "Closed" and one "Open".
Orders despatched within one week.
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MIDGLEY & PARKINSON, LTD.
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are highly concentrated with the true odour of the natural flower, making them the purest, best and most economical on the market.

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PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

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Sole Manufacturers
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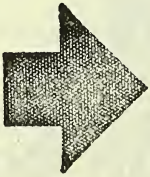
COD LIVER OIL

Presents to the chemist the best opportunity for increasing turnover and profits. The public have never before been so fully aware of their need for more fats and more vitamins and SEVENSEAS is the best answer for both.



It is to the chemist's advantage to render National Service by pushing sales

ISSUED BY BRITISH COD LIVER OILS (HULL & GRIMSBY) LTD.
ST. ANDREW'S DOCK, HULL.

JULY

The Sign of the Lion

LEO

LEO—The Sign of the Lion. With Cancer and Virgo it forms the central division of the Zodiac, and speaks of Royalty, Victory and Life. Leo is ruled by the Sun at a period in the Year when the Sun's rays are felt most intensely.

The Winged Lion of St. Mark is a guarantee of quality. This trade mark is known throughout the world to denote the fine pharmaceutical products of Potter & Clarke Ltd.

Drug Merchants & Manufacturing Chemists

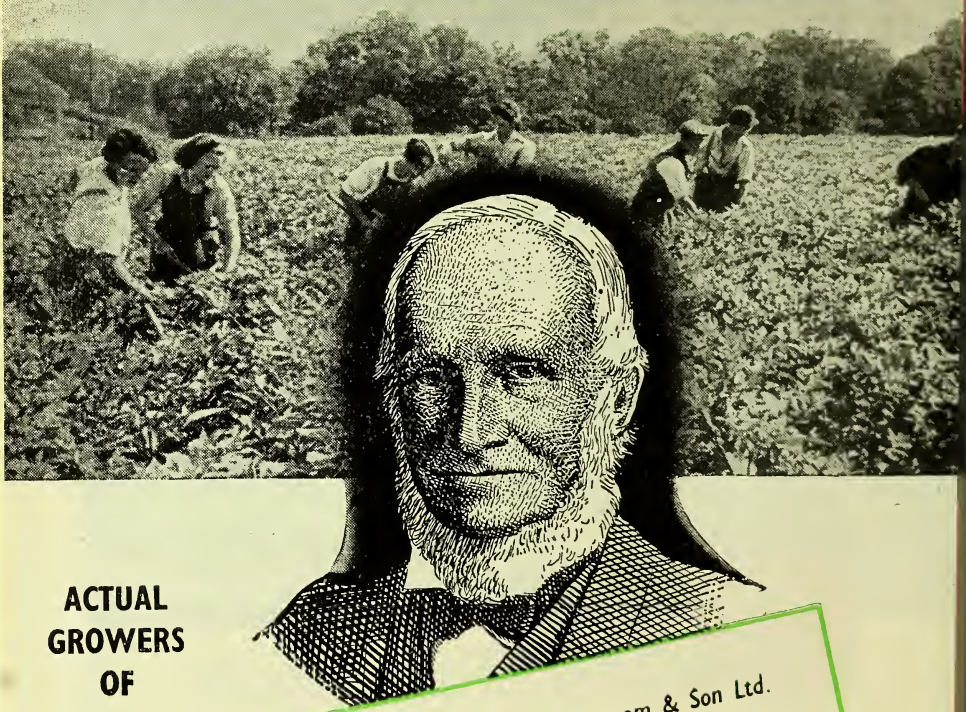
POTTER & CLARKE LTD

EST·1812

LONDON & MANCHESTER

1846 RANSOM 194

DRUG GROWING FOR 100 YEARS.



ACTUAL GROWERS OF

William Ransom, founder of William Ransom & Son Ltd.

In 1846, William Ransom, druggist and naturalist, started his drug-growing farm at Hitchin, Hertfordshire. For 100 years drugs and galenicals from the Ransom farms and factories have been sent to all parts of the world, and the name Ransom has become a hall-mark throughout the pharmaceutical industry. To-day the Company looks with pride on its many achievements of the century.

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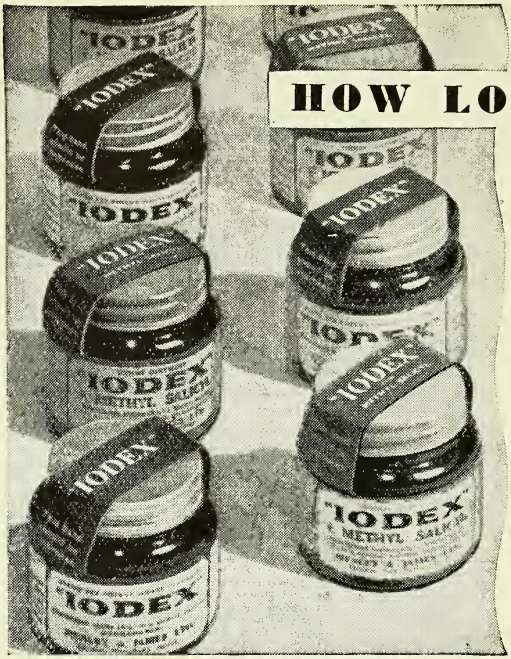

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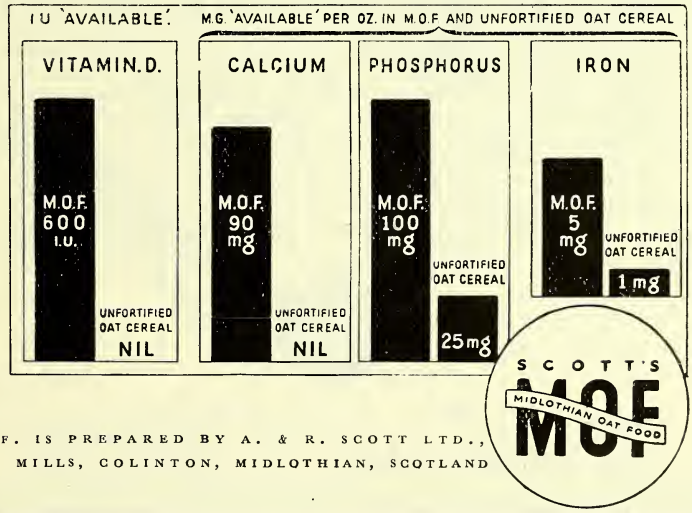

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NEWS OF THE WEEK

North British Election Results.—In the election for the North British Executive of the Pharmaceutical Society the following new members were returned : Messrs. Charles Coutts, Aberdeen ; David Currie, Glasgow ; Charles William Macfarlane, Dundee ; Thomas Campbell Miller, Dunfermline ; and John Hunter Tainsh, Edinburgh.

Acetate Prices Rise.—Increases in the maximum prices for acetates are made by the Control of Molasses and Industrial Alcohol (No. 20) Order, 1946, issued recently by the Board of Trade. Copies of the Order (S.R. & O. 1946, No. 955), which is operative as from July 1, 1946, and amends the Control of Molasses and Industrial Alcohol (No. 19) Order, 1945, may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price one penny.

Key Industry Duty Exemptions.—The Treasury has made an Order under Section 10 (5) of the Finance Act, 1926, as amended by subsequent enactments and coming into force on June 29, exempting from key industry duty until August 19, 1946, the following : Guanidin carbonate, guanidin nitrate, guanidin sulphate, guanidin sulphocyanide. Copies of the Order, The Safeguarding of Industries (Exemption) (No. 3) Order, 1946 (S.R. & O., 1946, No. 884) may be obtained from H.M. Stationery Office, price one penny.

Rubber Control Withdrawn.—An order made recently by the Board of Trade revokes as from June 29 the remaining provisions of the Control of Rubber (No. 21) Order, 1944, which prohibited or restricted the production of certain articles and component parts comprised of or containing rubber. The Control of Rubber (No. 24) Order, 1945, prohibiting, except under licence, the acquisition, disposal, treatment, use and consumption of rubber, remains in force. Copies of the Order to be known as the Control of Rubber (No. 26) Order, 1946, may be obtained from H.M. Stationery Office, London, W.C.2.

Manufacturers' Soap Cut.—An Order issued by the Ministry of Food amending the Soap (Licensing of Manufacturers and

Ration) (No. 2) Order, 1945, provides that as from June 23 permits "Soap 2A/46" will be valid only to the extent of 6/7ths of their face value, unless otherwise certified; alters the definitions of "No. 1 liquid soap" and "No. 2 liquid soap"; and reduces the value of the coupon numbered 49 and 50 in a General Ration Book R.B.1 and a Junior Ration Book R.B.4 from two domestic rations to one. Copies of the Order (S.R. & O., 1946, No. 871) may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2.

Speech Therapists' New Register.—A new register of speech therapists has been published by the Board of Registration of Medical Auxiliaries, British Medical Association House, Tavistock Square, London, W.C.1.

Yorkshire Guild Meeting.—Mr. D. Currie (vice-president of the Guild of Public Pharmacists) addressed the Yorkshire Branch at a meeting in Leeds recently on "The Guild Salary Negotiations and Future Developments." Miss E. M. Qualtrough was in the chair.

Mr. Linstead on N.H.S.—Mr. H. N. Linstead (secretary of the Pharmaceutical Society), speaking at a meeting of the East Cumberland Branch at Carlisle recently, described the National Health Service as 60 per cent. sound, but criticised its proposed form of administration under three levels of authority. Chemists, he said, must prepare for a substantial increase in dispensing. He thought the "ordinary man" would prefer to deal with his own chemist.

Manchester Pharmaceutical Officers.—The following officers have been elected to the Manchester Branch of the National Pharmaceutical Union and to the Junior Branch of the Manchester Pharmaceutical Association: N.P.U. Branch: *Chairman*, Mr. J. Tomlinson; *Vice-chairman*, Mr. G. Fildes; *Treasurer*, Mr. W. Edwards; *Secretary*, Mr. T. Miller. Junior Branch of the Association: *Chairman*, Mr. T. Story Jones; *Vice-chairman*, Mr. J. Dawson; *Treasurer*, Miss B. Morrison; *Secretary*, Miss I. Lewis.

Welfare Scheme Modified.—Certain alterations in the Welfare Food Scheme are announced by the Ministry of Food to take place on the expiry of the present ration book period on July 20. The alterations include a modification of the income limits for free milk and vitamin products for children and expectant mothers, to take effect on July 21, when the scheme becomes associated with the Family Allowances Scheme. Orange juice will remain at the present price, and cod-liver oil and vitamin tablets will be supplied without charge.

A Penicillin Dispensary.—An aseptic unit for the dispensing of penicillin and other sterile preparations has been installed at the central pharmacy of the Newcastle-upon-Tyne Co-operative Society, Ltd. A white absorbent paint which prevents condensation, fluorescent lighting, and optimum ventilation are among details of its design while the equipment includes filtered water on tap in addition to hot and cold water refrigerators, hot-air ovens, autoclaves, and an electric still, geyser and hot-plate. The walls are white tiled, and all fittings are chromium plated. The dispensary was built under the direction of the Society's superintendent chemist.

Manchester Garden Party.—A garden party arranged by the Manchester Pharmaceutical Association and Branches of the Pharmaceutical Society and National Pharmaceutical Union was held recently, at which the following were prizewinners in golf and bowls competitions: Golf competition: first, Miss Latto and Mr. W. Edwards; second, Mrs. W. E. Phillipson and Mr. Cronin. Bowls, mixed competition: first, Mrs. H. Brindle and Mr. W. Wilkinson; second, Mrs. Phillipson and Mr. H. Brindle. Men's competition: first, Miss W. Gee; second, J. G. Crossley. The prizes were presented by Mrs. J. R. Walmsley, wife of the president of the Association.

Pioneer in Stereochemistry.—The late Sir William Jackson Pope, F.R.S., who "established stereochemistry, and especially enantiomorphism, on a firm basis," was described by Professor C. S. Gibson, in the Pope memorial lecture delivered before the Royal Society of Arts recently, as the "best educated scientist" he had ever known: Pope received many honorary doctorates although he never took a university degree. In 1901 he was appointed head of the department of chemistry at the School of Technology, Manchester, which during his headship became the Faculty of Technology in the University, and in 1908 he was appointed to the chair of chemistry in Cambridge. During the war of 1914–18 he was engaged on research on gases, especially mustard gas and arsenical smokes. On Pope's hobbies Professor Gibson referred to his collection of mortars and drug jars (*C. & D.*, 1926. II. 79–80) and considered his collection of alchemical pictures probably the best in private hands.

Retail Sales Index—A Press statement just issued by the Board of Trade announces that the work of approaching individual chemists for the information needed in improving existing retail sales statistics will begin during the second half of July. It will be recalled that the Executive of the National Pharmaceutical Union, at its meeting on May 27 (see *C. & D.*, June 22, p. 782), agreed that the Board of Trade should be assisted to secure the co-operation of pharmacists in various parts of the country in supplying periodical returns. At present, the returns are obtained mainly from the multiples, from departmental stores and from co-operative societies. The private chemists now to be approached will be selected " on a scientific basis " so as to ensure that the information is representative of the retail trade as a whole. The information asked for is simple, and an absolute guarantee is given by the Department that the figures for individual businesses will be kept strictly confidential and will not be used, even within the Board of Trade, for any purpose except the preparation of statistics.

Birmingham Analyst's Report. — The Birmingham city analyst, in a report for the first quarter of 1946, published recently, states that twenty-four samples of drugs were found to be incorrect out of a total of 199 analysed during that period. Four samples of formalin tablets were among the drugs returned as incorrect. One contained no paraformaldehyde. Inquiry disclosed that the tablets were stored in a glass-stoppered jar in a window with a south aspect, which probably explained the disappearance of the formaldehyde. The firm of chemists concerned discontinued the sale of the tablets in bulk. Three samples of disinfectants were found not to agree with statements on the labels ; the manufacturer of one of these stated that the active ingredient, said to be " phenols," was not ordinary phenols or its homologues but chloroxylenol or chlorocresol. With the approval of the Pharmaceutical Society, the firm was asked in future to state the percentage of chlorocresol or chloroxylenol present, together with the amount of free phenols invariably present in commercial samples of these compounds. The firm which had packed a sample of borax and honey found to give polarimetric readings indicating the presence of dextrose and cane sugar maintained that the honey in question was Australian and genuine, and was accepted as supplied to them by the Ministry of Food.

IRISH NEWS

Eire Chemists' Camogie.—The Pharmaceutical Chemists' Camogie Club, Dublin, acknowledge receipt of the following subscriptions : Mr. M. Costelloe, (president, Irish Drug Association) £1 11s. 6d., Miss M. C. Fox £1 1s., Dr. John Shiel £1, Mr. R. F. Timoney, 10s. 6d. A name previously given as Mrs. Maguire should have been Mrs. Magnier.

New Dangerous Drugs Regulations.—An Order has been made by the Eire Minister for Justice under which Part 4 of the Dangerous Drugs Act, 1934, applies to the hydrochloride of 1-methyl-4-phenyl-piperidine-4-carboxylic acid ethyl ester, which is commonly known as Dolantin, Demerol, and pethidine. As a result of the application of Part 4 of the Act to this drug it will be unlawful on or after July 1 for any person to import or export the drug without a permit from the Minister for Justice, and the provisions of the Dangerous Drugs Regulations 1937 (S.R. & O., 1937, 65) will apply to the manufacture, sale, possession, and distribution of the drug.

N.I. Examination Results.—The following candidates were successful in the June examinations of the Pharmaceutical Society of Northern Ireland :—

Final Qualifying, Part II—Alcorn, Alan A.; Bryson, Arthur G. ; Burns, Jos. ; Byrne, John ; Collen, John G. ; Cooke, Anne R. ; Cooper, Samuel ; Dougan, John J. ; Fowles, Robert ; Graham, James G. ; Hobson, Joseph E. R. ; Hughes, William T. ; Jones, Cyril M. ; Kelly, Patrick J. ; Lemmon, Robert ; Massey, William A. ; Murphy, Desmond ; McEvoy, Mary B. ; McQuillan, Patrick J. ; McQuitty, William J. ; Russell, George ; Sweeney, Ethel L. ; Wisener, Samuel E. A.

Londonderry Associates of the Ulster Chemists' Association photographed during a recent visit to the local gasworks.

TENANCY OF A CHEMISTS' SUNDRIESMAN

A CLAIM by a woman carrying on business as a chemists' sundriesman at Peckham, London, that goodwill had become attached to the premises because of her five years' trading, was disputed at Lambeth county court on May 27, when Louisa Matilda Dineen, 10 Elm Grove, Peckham, sued the Rye Lane Bargain Centre, Ltd., Rye Lane, Peckham, for compensation for goodwill which, she claimed, had become attached to the premises, or for a new lease. The point to be decided was whether, in fact, the applicant had carried on business as a chemists' sundriesman for five years; if she had carried on business for a less period, she had no redress under the Landlord and Tenant Act. Applicant said she opened the business at 80 Rye Lane in September 1940.

Origin of Tenancy

At the time, her husband was a manager of the Rye Lane Bargain Centre, Ltd. The management were anxious to keep the shop open, as the London blitz had just started and tenants were difficult to find. She paid no rent from September to February, when she agreed to pay £1 a week, and she produced invoices showing that goods were delivered to the shop from September 1940 onwards. Samuel Joseph Dineen, husband of the respondent, said that one of the directors of Bargain Centre had agreed that his wife should open the shop, and, if she made a success of it, should pay rent after six months. He financed his wife in the business, but it was not his. John Robert Prideau, a chemists' sundriesman, said that he supplied the applicant with goods from September 1940. He visited the shop about once a week, and saw her carrying on the business and signs advertising medicines were put up about September or October of that year. The secretary of the company said that although he was joint manager, Mr. Dineen had no authority to conclude any agreement for lettings; neither had he authority to waive payment for rent. He had no knowledge that the applicant went into the shop in September 1940, and the first he knew about it was when Mr. Dineen said that he had taken it over, and he assumed he was being assisted in the business. That was in February 1941, and he did not know it was supposed to be the applicant's shop until 1942. For the respondents, it was represented that, if Mrs. Dineen was a tenant in 1940, she was a trespasser with the collusion of her husband, and she must have known he had no authority to let the shop to her. The judge said that in his opinion the applicant was not a tenant from September 1940 to February 1941, but a licensee. That did not mean she was a trespasser. He was satisfied that the witnesses called before him were perfectly honest, but they were dealing with what was commonly known as the "blitz period" and their recollections might be at fault. He considered that the applicant had been carrying on the business within the meaning of the Act for five years, and he would therefore refer the rest of the case to a referee for report back to him later.

DETERGENT MAKERS' STATEMENT

THE secretary of the Association of Manufacturers of Modern Cleansers and Detergents, Mr. Cyril F. Simmonds, 5 Staple Inn, London, W.C.1, has issued the following statement for publication, as a result of a promise made to a Press Conference by Dr. Edith Summerskill (Parliamentary Secretary to the Ministry of Food) that soapless cleaners which make no demand on fat supplies will receive ministerial encouragement

The Association has been in close touch with the Ministry of Food (Oils and Fats Division) ever since the Soap Substitutes Order came into force in 1943. The Association is in favour of licences in order to safeguard the housewife against products that are not up to standard, and on the question of prices. Soap substitutes are sulphated fatty alcohols, one of which is Teepol. The Association is now in touch with the Ministry on the question whether the basic raw material of these compounds is to be reserved mainly for the export market, or whether sufficient supplies will be retained for domestic demands. If manufacturers are to be compelled to export, there will be insufficient soapless detergents for the home market. Should the decision, on the other hand, be to allow increased quantities in Britain, the problem of packing materials has also to be dealt with. The Association points out that it is of little use to take the substances off quota unless packing materials are available, but claims that, if facilities are given to manufacturers to obtain the necessary packing materials, they will be able to supply sufficient soap substitutes to meet the existing demand.

TOPICAL REFLECTIONS

Near Normality

The list of the science papers to be presented at the forthcoming meeting of the British Pharmaceutical Conference (p. 818) is, as you point out, reinforced by a new feature called the Symposium Session. The programme of this session will remind many of your readers of the old Practice Section, the revival of which has been suggested occasionally. There is room for the discussion at the Conference of a range of subjects between those properly allotted to the Science Section and those within the scope of branch representatives' meetings ; and the Executive should have little or no difficulty in making a delimitation. The science papers in this year's list number seventeen : it is probable that, as usually happens, some will be taken as read for lack of time to discuss them. The number of the monographs offered year by year to the Executive is likely soon to constitute a problem of some difficulty. As care is taken to ascertain that each paper embodies original work, the scrutiny of books of reference for this purpose must, I suppose, have already become arduous. Speaking at a meeting of the Empire Scientific Conference held at Cambridge last week, Professor R. S. Hutton said it was impossible " for any one organisation, let alone any individual, to keep in touch with everything that was produced on a given subject." Students of scientific literature will agree with that opinion. During the ten years 1927–36 inclusive, taken by me as a sample, the number of papers presented to the Conference was 245, with a maximum of 34 in 1934 and a minimum of 16 in 1928. A year or two hence, if conditions are favourable, the Conference will have a programme closely resembling those of the years between the two great wars. I venture to suggest that not more than about twenty science papers should be accepted in any year.

Formalities

The letter of Mr. R. S. Whitelaw headed " Privileges " (p. 831) gives due emphasis to a complaint that will find an echo in many parts of the country. With grave concern, if not with complete surprise, we realise that while in scientific status pharmacy is receiving more adequate recognition from the bodies best qualified to appraise it—the universities—in the daily conduct of business pharmacists are subject to a variety of petty controls equalled in few, if any, other vocations. It is outrageous that any pharmacist should have had to waste " a good half-hour " while a policeman examined certain registers. We have it on the authority of Dogberry, a famous Shakespearian constable, that " to write and read comes by nature " ; apparently, however, even that degree of knowledge is either not at the command of every member of the force or is insufficient for the discharge of the prescribed duties. What would a barrister or a trade union official say if called upon to stand by in similar circumstances ? In the present mood of departmental administration it must be presumed that any protest against such a method of inspection would be construed as an offence. Pharmacists in business have neither the time nor, as a rule, the inclination to play the part of village Hampdens.

Marking Inks

The formula on p. 830 for a marking ink serves as a reminder that a hundred years ago the Rev. J. B. Reade, a pioneer in photography, took out a patent for a marking ink based on silver nitrate and to be used with a quill pen. For giving greater permanency to the writing he advised the addition of a salt of gold. In those days this type of ink was not the only one. A few weeks ago I was shown the letters of a surname in metallic type, clamped and mounted after the style of a rubber stamp : on inquiry it appeared that the contrivance had been used for marking linen. This guess was confirmed by consulting an old " Beasley," where three recipes for marking inks to be used with a stamp were found. One contained manganese sulphate, lampblack and sugar ; another manganese oxide, caustic potash and pipeclay ; and the third sulphate of iron, vermilion and linseed oil. The first two were on an aqueous basis, and the earlier of these needed a subsequent application of liquor potassæ. Theophilus Redwood took the subject up in his 1848 edition of Gray's " Supplement to the Pharmacopœias," and devised a formula generally regarded as an improvement on Reade's. For many years the advocates of two-solution marking inks claimed that the result was superior to that obtainable from a single-solution product : a similar controversy arose over aniline marking inks. Further details about such inks are to be found in " Pharmaceutical Formulas," Vol. II.

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COMPANY NEWS

PARI PRODUCTS, LTD. (P.C.).—Capital £500. Dealers in patent medicines, chemicals, etc. C. L. Malcomson, director. R.O. : Oak Lodge, Blandford Road, Reigate.

MURRAY-MARTIN, LTD. (P.C.).—Capital £2,000. Chemists, etc. James and Dolina Murray, and Thomas P., and Lina M. Martin, directors. R.O. : 372 Cowbridge Road, Cardiff.

RICHE (MAYFAIR), LTD. (P.C.).—Capital £2,500. Manufacturers of and dealers in perfumery, cosmetics, etc. A. Golder and S. Riche, directors. R.O. : 14 Hay Hill, London, W.1.

DAPLEY, LTD. (P.C.).—Capital £1,000. Chemists and druggists, opticians, sundriesmen, etc. Thomas E., and Elizabeth Apted, directors. R.O. : 194 Wilmslow Road, Cheadle, Ches.

STANESE, LTD. (P.C.).—Capital £100. Manufacturing chemists, etc. John C. Richer and Alan S. Holmes, directors. R.O. : Chapel Works, Chapel Street, Beeston, Notts.

ULSTER CHEMISTS LTD. (P.C.).—Registered in Belfast. Capital £1,000. Chemists, druggists, etc. Morris Glazer and James McKenzie, directors. R.O. : 210 Grosvenor Road, Belfast.

C. E. FULFORD (MANUFACTURING), LTD. (P.C.).—Capital £50,000. Manufacturers of and dealers in medicines and drugs, etc. Directors are to be appointed. R.O. : Carlton Hill, Leeds.

YOUNGS (CHEMISTS), LTD. (P.C.).—Capital £1,500. Objects as indicated by the title. Irene L. Young, William O. Richardson, M.P.S., and John C. Dyer, M.P.S., directors. R.O. : 6 Upper Church Street, West Hartlepool.

ROSSITERS PHARMACIES, LTD. (P.C.).—Capital £10,000. Pharmaceutical and general chemists, opticians, etc. Frank H. Webber, M.P.S., Mary E. E. G. Webber, and Clifford Heyes, M.P.S., directors. R.O. : 2 Hampton Street, Tiverton.

UNITED LABORATORIES, LTD. (P.C.).—Capital £2,000. Chemists and druggists, manufacturers of and dealers in toilet preparations, etc. Directors are to be appointed. R.O. : Mount Pleasant, Alperton, Wembley, Middlesex.

SHAVADE, LTD. (P.C.).—Capital £1,000. To acquire the business of a manufacturer and dealer now carried on by Archibald W. G. W. Maton, trading as Shavade Mfg. Co., at New Road, Hythe, Southampton. Archibald W. G. W., Dora, and Vera Maton, directors. R.O. : As above.

QUIZ REAGENTS, LTD. (P.C.).—Capital £2,000. To acquire the business of manufacturers of and dealers in chemical and other products carried on at 54 Twickenham Road, Teddington, as "Quiz Reagents." Geoffrey Jupe, director. R.O. : 26–27 Conduit Street, London, W.1.

THE THOMAS HILL ENGINEERING CO. (HULL), LTD.—Mr. J. G. Brown and Mr. S. Curtis have been appointed directors. Mr. Curtis now becomes works manager.

ALLEN & HANBURYS, LTD.—Mr. John Netherway has resigned his positions of vice-chairman and managing director after fifty-two years of service.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—Ordinary dividend is 15 per cent., compared with 10 per cent. for the previous year.

VIROL, LTD.—Directors recommend a dividend of 12½ per cent., compared with 10 per cent. last year, together with a bonus of 2½ per cent. (same).

A. J. WHITE, LTD.—Directors' report for the year ended March 31 states that net profit amounted to £68,681, making a total available balance of £111,284. After an interim dividend and reserve for taxation, £57,534 remains, out of which the directors recommend payment of a final dividend of 7½ per cent., making 12½ per cent. for the year (£14,438) ; writing off goodwill, trade marks, etc. (£20,000) ; forward, £23,096. Mr. A. Binning retires from the board, but offers himself for re-election.

VOLUNTARY WINDING UP.—At a meeting of Banner's Pure Drug Co., Ltd., on June 17, it was resolved that the company be wound up voluntarily and that Mr. Richard Turner Golding, F.C.A., 41 North John Street, Liverpool, be appointed liquidator.

LIMITED PARTNERSHIP.—JONES & CO., pharmacists, 219 Harrow View, Wealdstone. Partnership from June 1, 1946, till death of active partner or agreement. General partner : Garfield O. Jones, 219 Harrow View, Wealdstone; limited partner : Henry E. Belsher, Joilrade, Oak Cross Road, Teignmouth, contributing £1,000 in cash.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

A CONSERVATIVE M.P.'s motion to annul the Control of Penicillin (No. 1), Order, 1946, on the grounds that it was too limiting, produced a Government statement on June 27 on penicillin production and use.

MR. LEONARD (Parliamentary Secretary to the Ministry of Supply) told the House that the production of penicillin had been widely developed in the United Kingdom. £3 million had been spent on plant and factories alone, of which £2 million was Government money. Penicillin was one of the most potent cures known to medicine for certain diseases, but it was not a universal cure, and its indiscriminate use might be attended by the gravest consequences.

The average monthly production of penicillin in 1943, he said, was 300 mega units; it was 3,200 mega units in 1944, and in 1945 it grew to 26,000 mega units. Production for June 1946 would be about 300,000 mega units and, of that, 56,000 mega units would be allocated to the Services, leaving nearly 250,000 mega units for home and export use. Export licences had already been granted for 130,000 mega units, so that 120,000 mega units would be left for home consumption.

Production was expected to increase fairly substantially over the next few months. Britain was not now importing the drug. The greater production of penicillin had enabled it to be distributed through commercial channels as from June 1, but the supply position would not justify uncontrolled distribution. It was impossible to forecast with any accuracy the extent of the civilian demand under the wider distribution scheme until commercial distribution had been in operation for some months. They had to insure that penicillin was available in adequate quantities for genuine medical purposes before releasing it for less vital ones. Therefore, on the advice of the industrial and professional bodies concerned, it had been decided that penicillin should be made freely available to hospitals, doctors and dentists for the treatment of patients, that it should be sold to the public by chemists only on the prescription of a registered medical or dental practitioner, and that the manufacture of preparations of penicillin should be restricted to such preparations as the Ministry of Supply, acting on the advice of the Minister of Health, should approve.

When penicillin became available in greater measure, the policy would require to be reviewed. He was advised that penicillin was not a poison or a dangerous drug, but might produce harmful effects if used without medical guidance. The main thing was to prevent it being frittered away on trivial uses.

The motion to annul the Order was defeated by 145 votes to forty-five.

Inquiry into Battery Prices

MR. LIPSON asked the President of the Board of Trade on June 24 what had been the results of the inquiries by the Central Price Regulation Committee into the recent 50 per cent. increase in the price of high-tension batteries for deaf-aids. MR. BELCHER replied that the inquiries were not yet complete.

Duty on Deaf-aids

MR. ASSHETON asked the President of the Board of Trade if he was prepared to make an Order under the Import Duties Act, 1932, that deaf-aids, artificial limbs, and surgical appliances should be exempted from duty.

MR. BELCHER: Deaf-aids manufactured in this country are in general available at prices which do not compare unfavourably with the prices charged by overseas suppliers. The President of the Board is, however, continuing to watch the position. Artificial limbs are not at present being imported in significant quantities. As regards other surgical appliances, I should be prepared to consider any particular case which Mr. Assheton submitted.

Supply of Eyeglasses

On June 27 MR. CALLAGHAN asked the Minister of Health if he was aware that certain opticians were suggesting to National Health Insurance patients that delays in supplying eyeglasses, etc., could be avoided if they became private patients and agreed to forgo the National Health Insurance grant; and what steps were being taken to prevent such practices by increasing the supply of eyeglasses.

MR. BEVAN: I have been in touch with the Minister of National Insurance, but we have no information as to the first part of the question. On the question of improving the supply of lenses, I would refer Mr. Callaghan to a reply previously given (to the effect that there had been a reduction

in the average time taken to fill prescriptions).

MR. CALLAGHAN : May I ask the Minister, whether, if I send him further information, he will look into it, and if he will also consider extending price control over the whole range of these things in order to avoid this situation.

MR. BEVAN : I think it is controlled, but I will look into it.

Doctors' Dispensing

During discussion, in Standing Committee on the National Health Service Bill, of Clause 38, which deals with arrangements for pharmaceutical services, SIR HENRY MORRIS-JONES declared that the Minister was taking over the "immemorial custom" of doctors' dispensing their own medicine, and handing it over to chemists. It was a big change, and it would not be for the convenience of the people. Later, Sir Henry said that when a medical man visited a sick person in the middle of the night, he would take a relative back to his surgery and make up his own medicine. Now the prescription would go to the chemist. The chemist would have to be awakened in the middle of the night to make the medicine for a pittance which even a plumber would disdain to look at. In urban areas, he thought a case had been established for transferring the compounding of medicines and prescriptions to pharmacists. In the rural areas it would be quite impracticable.

THE MINISTER OF HEALTH intervened to say that arrangements had been made in rural areas for doctors to provide medicines.

MR. LINSTEAD moved an amendment to provide that, in the event of the Minister or an Executive Council providing a service where it had broken down, whether a medical, pharmaceutical or dental service, the Minister should, before providing emergency arrangements, consult the appropriate committee (Medical Practitioners', Pharmaceutical or Dental Practitioners' Committees).

MR. BEVAN replied that the provision was unnecessary. "Obviously where the service has broken down, the Executive Council would consult the representatives of the services affected before making any proposals. It would be extraordinary if they acted *in vacuo*, but, at the same time we do not want to tie the Executive Council always to formal discussions, because it may be necessary to take urgent action in a particular instance."

Mr. Linstead withdrew his amendment.

Oil from Whaling Expedition

In a written reply to MR. DIGSBY on June 26, DR. SUMMERSKILL (Parliamentary Secretary to the Ministry of Food) stated that accounts for the recent whaling expedition to the Antarctic were not yet complete. The catch had produced 42,500 tons of oil apart from liver oil, 870 gallons of liver oil, and 5,107 tons of other products.

A NATIONAL HEARING-AID

HEARING-AID instruments issued through the National Health Service to everyone in need of them are among health aims of the Government. Already plans for producing an instrument have progressed so far as construction of the prototype or development model. The origin of this national hearing-aid dates back to about two years ago, when the Medical Research Council formed a committee to investigate audiometry and the properties and design of hearing-aids with a view to producing an efficient and compact instrument at reasonable cost and capable of meeting the needs of the majority of persons afflicted with deafness.

Three-Valve Amplifier Circuit

The responsibility of designing the instrument was then divided between Post Office engineers, who tackled the electrical side; physicists at the National Physical Laboratory who, with a specially constructed "artificial ear" recording device and other apparatus, became responsible for the acoustics; and the Medical Research Council, which took charge of the medical problems involved. Many hundreds of deaf patients were subjected to tests, and consulted on the form of instrument preferred. a large, heavy, "pilot" instrument was then made; and later, as an outcome of a great synergic effort, a pocket-sized prototype was produced. This model contains a three-valve amplifier circuit (the valves measuring 1¼ in.) tunable to the required frequencies, and is understood to be satisfactory for ninety per cent. of patients requiring instruments. The instrument finally produced will vary in design to suit individuals' taste (pocket-types for men, handbag types for women, etc.), but the batteries will be of standard design, cheap to buy, and of different sizes to suit personal convenience. It is hoped to produce unobtrusive receiving units of plastic material to fit into the aural cavity instead of the more conspicuous earphones that characterise most commercial outfits today. By 1947 advance models are expected to be available at a cost of about £10.

TRADE NOTES

Staff Holidays.—The offices of Aspax Chemical Manufacturers, Ltd., 32 Shaftesbury Avenue, London, W.1, will be closed from August 17–24, inclusive, for staff holidays, etc.

New "Household" Size.—Bob Martin, Ltd., Southport, Lancs, announce the introduction of a new household-size drum of Pestroy insecticide powder. The preparation contains DDT and other toxic ingredients.

Local Advertising.—Plans for an advertising campaign to commence in Scotland and the English counties of Northumberland and Durham on July 1 are announced in this issue by Leciferrin, Ltd., 4 John Adam Street, London, W.C.2.

Price Reduced.—Reduced prices for Tabloid brand methyl thiouracil, which is issued in 0.1-gm. and 0.2 gm. strengths, in bottles of 100 and 500, are announced by the makers, BURROUGHS WELLCOME & CO. (The Wellcome Foundation, Ltd.), London. —PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., Dagenham, announce that the prices for 2 : thiouracil-M. & B., & 4 : methyl 2 : thiouracil-M. & B., were amended on July 1.

Heat-cured Teats and Valves.—Reliance Rubber Co., Ltd., Lots Road, Chelsea, London, S.W.10, are the sole makers of Lullaby moulded teats and valves, which are described as the "original seamless" and which, being heat-cured, can be sterilised continually without deterioration.

Zinc Oxide Plaster.—Herts Pharmaceuticals, Ltd., Welwyn Garden City, state that, in the company's series of zinc oxide plasters and bandages, special attention has been given to the selection of the constituents incorporated in the adhesive to reduce skin irritation to a minimum.

Price Correction.—Cross & Max, Ltd., 17 Bishop's Court, Old Bailey, London, E.C.4, whose announcement in the June 29 issue of THE CHEMIST AND DRUGGIST was devoted to their speciality "Summer dry throat tablets," point out that the price given for three-doz. lots should be 8s. per doz., and not as stated in the announcement.

Phenazone Compound.—Carnegie Chemicals (Welwyn), Ltd., Tewin Road, Welwyn Garden City, Herts, ask us to point out that the items phenazone caffeine citrate and phenazone salicylate should have appeared in the list of fine chemicals of which the company are manufacturers as given in a recent announcement; the company are not manufacturers of phenazone.

Penicillin Therapy.—A 64-page booklet entitled "Penicillin Therapy" has been produced by the medical department of Boots Pure Drug Co., Ltd., Station Street, Nottingham. The company's booklet deals with the properties of, indications for, methods of administration and dosage of, clinical reports on, and presentation of penicillin. The company's penicillin preparations are listed, together with their prices. Copies of the booklet may be obtained on application to the department.

Now Available Through Wholesalers.—Scientific Pharmacals, Ltd., Innoxa House, Balls Pond Road, London, N.1, announce that arrangements have been made to supply chemists with Keroderm ointment through wholesale distributors. Keroderm is described as a "new agent in the treatment of skin affections," containing "valuable biochemical elements proved highly effective in the treatment of skin affections." The product is being advertised to the medical profession, and full technical details may be obtained from the makers. Trade terms are given elsewhere is this issue.

Technical Training Scheme.—A new organisation, to be known as E.M.I. Institute, Ltd., has been launched, with the object of establishing technical training colleges throughout Britain and later in Empire and foreign territories, by Electrical and Musical Industries, Ltd., Hayes, Middlesex. The London Radio College has been acquired as present headquarters, and the enterprise has been put under Professor H. F. Trewman, M.A., M.I.E.E. The scope of courses at present planned covers the fields of television, radio, radar, and associated techniques, post-graduate training in electronics, etc.

Price Lists.—The 1946 trade price list of pharmaceutical preparations of CIBA, LTD., The Laboratories, Horsham, Sussex, has been issued. Besides giving in a clear manner the packings and prices of the company's products, the list has an added value from the notes it gives on the therapeutic properties of the various compounds. —A new general price list has been issued by THOMAS MORSON & SON, LTD., 47 Gray's Inn Road, London, W.C.1. The booklet gives details of general chemicals, pure and reagent chemicals, and a number of special classes of compounds supplied by the com-

pany, including mercurials, glycerophosphates, chloroform, etc.

Anti-allergic Agent.—Parke, Davis & Co., 50 Beak Street, London, W.1, have introduced Benadryl capsules in bottles of fifty, each capsule containing 50 mgm. of the drug. Benadryl is a synthetic compound which belongs to a new and distinct pharmacological group, the members of which have an anti-histamine action. The makers state that clinical studies have shown Benadryl to afford relief in a variety of allergic conditions and in spasm of smooth muscle. Supplies of the new speciality are at present limited. A booklet describing the compound has been issued by the company, and copies may be obtained on application to the makers.

Penicillin by Inhalation. — A note from Moore Medicinal Products, Ltd. 1 Queen's Terrace, Aberdeen, describes a technique for the administration of penicillin by means of air or oxygen which they claim is superior to the method described in the *C. & D.*, May 4 (p. 569). By the method now described, the quantity of penicillin to be administrated over a period of twenty-four hours (e.g., 200,000 i.u.) is dissolved in 9 c.c. of sterile water and administered in six inhalations, each of 1.5 c.c., at 9 a.m., 11 a.m., 1 p.m., 3 p.m., 5 p.m., and 7 p.m. A reservoir is connected by a suitable length of soft rubber tubing to a flowmeter, the cap on the side of the reservoir is removed and 1.5 c.c. of the solution placed in the reservoir. The flowmeter is then set at 5 litres per minute, and the inhalation is continued until the reservoir is empty, the average time required being five minutes. During inhalation the side cap is left off. At the conclusion of the inhalation it is recommended that 0.5 c.c. of sterile water should be placed in the reservoir and most of it vaporised, in order to drive any penicillin solution from the syphon and thus prevent risk of blockage of the apparatus in subsequent inhalations. If a flowmeter is not available, the reservoir may be connected to a Coxeter reducing-valve at maximum pressure, and inhalation carried out as described, but by this method the duration of inhalation is variable, ranging from fifteen to twenty minutes. If, on the other hand, administration using an electric motor is adopted, the volume vaporised in approximately fifteen minutes is only 1 c.c. and it is therefore convenient to dissolve the total daily quantity of penicillin in 6 c.c. of sterile water, using 1 c.c. for each of the six two-hourly inhalations. The reservoir is connected by soft rubber tubing to the motor, which is set at the appropriate mains voltage, and inhalation carried out as already described. Both the Deedon inhaler (model C) and the Deedon electric motor are distributed by the company.

Proprietary Articles Trade Association

Alterations to the Protected List.—*Kilol, Ltd.*, Revised terms: Kilol 1946 rusk concentrate, 1s. 6d., 13s. 6d. doz., six doz. 12s. doz., ½-lb. tins 59s. doz. (exempt from tax).

Wm. R. Warner & Co., Ltd., Veganin tablets prices to the medical profession, 100's, 7s. 6d (including purchase tax); 500's, 34s. 2d (including purchase tax).

Deletions.—*R. Demuth, Ltd.*, Pomp meta sprayers.

Henry C. Miner, Ltd., Make-up liquid (theatrical), Appliodine.

Parke, Davis & Co., Euthymol tooth-powder hydrogen peroxide solution, Fecto.

BUSINESS CHANGES

Mr. Allan Gilmour, M.P.S., has purchased the business of Mr. David W. Kay M.P.S., 1 Tam's Brig, Ayr.

The International Bottle Co., Ltd. has removed to 140 Park Lane, London W.1. (Telephone: Mayfair 6992.)

Ava, Ltd., toilet soap makers, have returned to 9 Park Hill, Clapham, London S.W.4. (Telephone: Macaulay 2355–56.)

Mr. L. O. Smith has been appointed European general manager of Parke, Davis & Co., in succession to Mr. Ernest Pope, who has retired after thirty-nine years' service.

Mr. J. W. Huggins, M.P.S., has purchased the business of Mr. A. G. Marshall M.P.S., 43–45 Bridge Street, Morpeth, after serving in the Fleet Air Arm.

Lieutenant-Commander M. A. Murch R.D., R.N.R., has been appointed sales manager in the United Kingdom of Pepsodent, Ltd., after nine years' service with the company. [Corrected note]

Mr. G. H. Benbow, M.P.S., has been appointed managing director of Benbow's Dog Mixture Co., Ltd., 10 Station Road Shortlands, Kent, after being demobilised from the Royal Air Force.

Mr. J. W. Mathews, 48 Eastbourne Road, Middlesbrough, Yorks, has been appointed by George H. Lawrence, Ltd. manufacturers of safety razors and blades Sheffield, 3, as the company's representative in Northumberland, Durham, Cumberland Westmorland and the North Riding of Yorkshire.

PERSONALITIES

Mr. Gilbert Brown, Westgate, Princess Road, Lostock Park, Bolton, has had his name restored to the Register of Chemists and Druggists.

Alderman Joseph F. Costello, M.P.S.I., a former president of the Pharmaceutical Society of Ireland, has been re-elected mayor of Galway for the tenth year in succession.

Mr. E. J. Holder, B.Pharm., Ph.C., managing director of G. F. Merson, Ltd., St. John's Hill Works, Edinburgh, 8, has been admitted to the degree of Doctor of Philosophy, University of Edinburgh, for a thesis entitled "Desirable Factors in Surgical Sutures, with Special Reference to the Absorbability of Surgical Catgut."

Mr. William Gorman, the new Secretary of the Pharmaceutical Society of Northern Ireland (see p. 24), was educated at the Royal Belfast Academical Institution, served his apprenticeship with Mr. W. J. Farmer, M.P.S.N.I., Whiteabbey, and was later on the staff of Grattan & Co., Belfast. He served in the war as a Lieutenant, R.N.V.R., and was mentioned in dispatches. Mr. Gorman's home is in Carrickfergus.

Mr. H. Noble, B.Pharm., Ph.C., M.P.S., Barrister-at-Law, who has been assistant secretary of the Chemists' Defence Association since 1940, has been appointed deputy secretary of the National Pharmaceutical Union, Chemists' Defence Association, Chemists' Mutual Insurance Co., Ltd., and Chemists' Sickness and Provident Society. The appointment will give Mr. Mallinson (secretary) relief from routine management of the allied organisations and enable him to devote more time to questions affecting members and the organisations generally.

Miss Betty Millington (Glaxo Laboratories, Ltd., Greenford, Middlesex), now temporarily attached to the Medical School of the University of Birmingham, has been awarded the British Empire Medal for her work in connexion with the training of process workers in the manufacture of penicillin at the Glaxo surface-culture penicillin units at Watford and Stratford. Miss Millington was born in June 1920 and educated at Wolverhampton High School and Birmingham University. At the outbreak of war she left the University to concentrate on the production side of chemistry, and in 1943 entered the Glaxo laboratories to work in the company's new penicillin plant. Her success in training unskilled girls, who had never before worked in chemicals, was outstanding, and she played an important part in the large output which the units, both at Watford and Stratford, were able to maintain at a critical period.

DEATHS

Austin.—On June 16, Mr. Josiah Austin, M.P.S., 139 Minstead Road, Gravelly Hill, Erdington, Birmingham, aged ninety-one. Mr. Austin qualified as a chemist and druggist in 1877. He served as a member of the Birmingham Old Age Pension Committee for many years from 1908, and as chairman of various provident and charitable societies.

Hames.—At Rugby station, on June 23, Mr. Harry Munkman Hames, Granville Street, Boston, Lincs, aged seventy-five. Mr. Hames was for thirty-three years in business at 65 West Street, Boston, and was on his way to spend a holiday in the Lake District when he collapsed and died suddenly while changing trains. So recently as July 1944 Mr. Hames celebrated his golden wedding. He was a pioneer of the Boston Photographic Club. Mr. Hames is survived by his widow and a daughter.

Moran.—At his residence, Sunbury, Seafield Road, Clontarf, Dublin, on June 23, Mr. Thomas J. Moran, a director of Evans Sons Lescher & Webb (Ireland), Ltd. A native of Liverpool, Mr. Moran joined the parent company in 1913. He transferred to Dublin in 1926, when Messrs. Evans decided to open a depot at Liffey Street. In 1935, when the Irish company was formed, he became a director. Mr. Moran was in charge of the North Wall warehouse for more than a decade, and became widely and popularly known amongst a large circle of friends in both the wholesale and retail trade. At the funeral, which took place from the Church of St. John the Baptist, Clontarf, to Dean's Grange Cemetery, there was a large and representative attendance. The entire staff of Messrs. Evans was present, including Mr. W. R. Such (managing director) and Mrs. Such, Mr. Dermot Glavey, M.P.S.I. (a director), and Mr. and Mrs. T. H. Jones. Pharmaceutical representatives present included Messrs. P. C. Cahill (P. C. Cahill, Ltd.), R. Richmond (St. Dalmas, Ltd.), R. A. Kidney (secretary of the wholesale section, Irish Drug Association) H. Grainger, Ph.C., Callan, co. Kilkenny; H. A. Cole, M.P.S.I.; Shirley Walsh, M.P.S.I. (Graham & Co.); A. Deakin, M.P.S.I.; A. Wiltshire, J. Maguire, J. O'Connor, J. Byrne (F. M. Summerfield & Co.), and F. Robinson.

N.H.S. DISCUSSED AT SOUTHPORT

Mr. W. J. Tristram (a member of the Pharmaceutical Society's Council, and chairman of the Joint Committee on a National Pharmaceutical Service) gave an address on the proposed National Health Service to a meeting of the Southport Branch of the Society recently. Mr. A. L. Drake (chairman of the Branch) presided.

After tracing the history of the Bill, Mr. Tristram emphasised that pharmacists must give proof to the Government of their value as an organised body working to improve public health. They must be prepared to undertake the work to be done. Pharmacists should be allowed and encouraged to give their advice on pharmaceutical matters. The Joint Committee wished to see some control over the opening of new pharmacies; in official quarters this "had not met with any affirmative response."

Attendance Fees

Mr. Tristram, in reply to a question by Mr. Mellor, said that it was his personal opinion, and one which he would make every effort to defend, that if chemists were called upon to be available for dispensing in the quieter hours of the day they should have a special fee for their attendance then and, if need be, for attendance only.

Mr. Newton wondered whether the Government would utilise the retail pharmacists just so long as it suited its purpose and when the scheme had got under way would take steps to develop and popularise Health Centres. Mr. Tristram replied that Mr. Bevan had promised to do nothing to boost unduly the pharmaceutical department of Health Centres.

Mr. Pickering mentioned that he had seen a propaganda film in which the medicine appeared to have been supplied at a health centre. He felt that in this there was a form of subtle propaganda. Mr. Tristram said he would endeavour to see that any propaganda of this nature should feature the service of the chemist's shop equally with that of the pharmaceutical department in the Health Centres.

Mrs. Thomason said it had been her experience that headmasters and headmistresses of secondary schools and grammar schools locally had been discouraging children from entering pharmacy, and she felt that this had given rise to a great shortage of apprentices. She asked if the Pharmaceutical Society had done anything to combat this. Mr. Tristram said he was not aware that the Council had taken any definite steps in this matter.

Mr. Briggs (president of the Liverpool Association) said that schoolmasters and mistresses in Liverpool had apparently been discouraging children from entering pharmacy, and the local Branch had taken steps to ensure that a pharmacist should be a member of certain committees acting as advisers on various careers. This, together with the new health service, had brought about a considerable improvement.

NEW SOFT DRINKS REGULATIONS

An Order made by Minister of Food recently has the effect of increasing the sugar content of soft drinks, removing a prohibition on the manufacture and sale of quinine tonic water; and providing for closer control of soft drinks for which medicinal properties are claimed. The Order is called the Soft Drinks Order, 1946, and consolidates, in addition, the 1943 Order and all subsequent amendments to it. Soft drinks made on and after July 21 are to contain double the amount of sugar at present specified, with an appropriate reduction of saccharin. Wholesalers and retailers will be allowed until October 21 to dispose of stocks of drinks, with the lower sugar content, made before July 21.

The manufacture and sale of quinine tonic water or Indian tonic water, prohibited during the war, is now to be permitted. A minimum quinine content of not less than ½ gr. of quinine (calculated as quinine sulphate, B.P.) per pint has been laid down, and a statement of this content must appear on the label.

The definition of "soft drink" has been amended, in order to secure that a product which is used as a soft drink though capable of use as a medicine, is to be manufactured or packed only under a licence controlling its price, composition and labelling. The maximum controlled price is to be clearly marked on the label, and it will be an offence to sell the product at a price in excess of this. Persons manufacturing and packing soft drinks for which medicinal properties are claimed are advised by the Ministry of Food to apply immediately to the Ministry's Soft Drinks Branch, 29–30 Bryanston Square, London, W.1, for a licence application form.

EMPIRE DRUG PRODUCTS

THE Empire as an increasing source for natural products used in the pharmaceutical industry was touched upon in papers read at the Empire Scientific Conference of the Royal Society recently in London.

New Zealand was now producing annually 25,000 gallons of shark-liver oil, equivalent in vitamin A content to over half a million gallons of cod-liver oil, stated DR. J. L. SIMONSON (senior research scientist in the Colonial Office). The war had indicated the importance of seaweed from the Empire for the manufacture of agar and for alginates used in the manufacture of plastics. By-products of the sugar industry were being extended to the production of alcohol and food yeast, while citric and lactic acids were already being manufactured on a large scale by fermentation processes. Oil seeds, he suggested, should be extracted in the country of origin, where the cake could be used profitably, and increased attention should be paid to the lesser known oils and fats. Re-afforestation of suitable areas with species of *Pinus* might provide valuable Empire sources of turpentine and resin. New uses for eugenol (obtained from clove oil) must be found since the production of vanillin from other sources was threatening the clove-oil industry of Zanzibar.

Speaking of the products of Australia, PROFESSOR E. J. HARTING, D.Sc. (University of Melbourne) stated that 80,000 tons of wool-wax were produced annually by the country, and that Australia and Tasmania had an immense potential production of eucalyptus oil. Liver oil from the snapper shark by the close of the war had reached a total of 15,000 gall. annually. It was thought that the output of agar in Australia could be increased from the present twenty-four tons annually to 100 tons. Australian agar, unless decolorised by charcoal, was yellower than Japanese. Its setting point was a little higher, and its elasticity greater than the Japanese product: the gel produced was more transparent, stronger at higher concentrations, but less strong at lower concentrations.

Indian Drug and Chemical Industry

SIR J. C. SHOSH and MR. D. N. WADIA, in a survey of the Indian chemical industry and related raw materials, stated that the production of soap in India had increased from 94,000 tons in 1940 to 160,000 tons in 1944, and that the annual output would probably rise to 240,000 tons by 1951. During the period 1935-39, India exported essential oils (chiefly lemongrass and sandalwood) worth 4.6 million rupees (about £343,500), and imported perfumes worth 2.2 million rupees.

The average pre-war imports of drugs into British India were valued at 22 million rupees, which dwindled to 14 million in 1942-43. In 1943, India's output of medical stores rose to 60 per cent. of her requirements. Progress had been made in the production of tinctures, extracts, galenicals, vaccine, sera and glandular products, but the industry had made little headway in the manufacture of synthetic chemotherapeutic products, vitamins and hormones. Natural drugs like quinine, morphine, codeine, strychnine, ephedrine, caffeine, santonin and emetine were being produced in large quantities and partly exported.

Research by the Department of Commerce and Industries of South Africa into the production of fish-liver oils, and the production from seaweed of agar and iodine was mentioned in a written statement by the Scientific Adviser to the South African Prime Minister.

The Conference discussed the necessity for interchange of scientists within the Empire, and was unanimous on the need for supplementing the present funds to meet scientists' travelling expenses.

Land of Soap and Lorol.—Scorpio, a "Daily Herald" versifier, gives expression to a public demand for soapless detergents that has become clamant recently:—

THE soapless hope
For soapless soap,
The housewife's need is urgent,
The thing she means
Like magic cleans,
They call it a detergent.
For soaps and that
Are made with fat
And fats have been diverted,
So housewives mope
For want of soap
When everything is dirtied.
They, soapless, scrub,
They, hopeless, rub,
The housewives grow more harassed,
While Bills and Berts
In dirty shirts
Are daily more embarrassed.
Detergents will
In time fulfil
The hope of all the soapless,
But why delay,
The housewives say,
The soap of all the hopeless?

NATIONAL PHARMACEUTICAL UNION

THE monthly meetings of the Executive of the National Pharmaceutical Union and of the directors of the Chemists' Defence Association were held in London on June 25-26, when Mr. H. Noble, B.Pharm., Ph.C., Barrister-at-Law, was appointed deputy-secretary to the Union. Reports of a meeting of the Accounts Committee and of the treasurer were adopted.

Presentation to Secretary

There was an unusual and very pleasant incident when the treasurer (Mr. A. R. Melhuish) made a presentation of a wireless television set from members of the Executive to the secretary (Mr. G. A. Mallinson). MR. MELHUISH said that those who had served the Union during the past twenty-five years knew only too well the breadth, depth and amount of work done by the secretary, who had devoted the greater part of his life to the construction and development of the N.P.U. The Executive hoped the presentation would also serve to interpret the value placed on the help given by Mrs. Mallinson, in allowing their secretary to give generously of his allegiance to the Union. MESSRS. FRENCH and MARSHALL added their tributes to Mr. Mallinson.

MR. MALLINSON was warmly applauded when he rose to thank those present. He was deeply conscious, he said, of the affection shown to him by all present. The words spoken by his old friends Messrs. Melhuish, French and Marshall that afternoon would be remembered for the rest of his life, and both he and Mrs. Mallinson would look with pride at their gift, happy in the knowledge that the work at the Union merited such praise.

Silver Jubilee Committee

The report of the Silver Jubilee Committee was received, and it was decided to circulate a copy of the N.P.U. Silver Jubilee brochure to all N.P.U. members and others connected with the drug trade. Special thanks for work done in connexion with the Silver Jubilee anniversary were accorded to the chairman (Mr. E. A. Brocklehurst) and to members of the Committee. Reference was also made to the services of Mr. T. B. Chadwick in connexion with the production of the brochure. The Executive noted with gratification the number of messages of congratulation received, including good wishes from the Pharmaceutical Society, N.P.U. members and branches, drug-trade organisations and commercial friends. The interest displayed in the twenty-fifth anniversary of the N.P.U. by the editors of the trade Press was likewise appreciated and the editorial that appeared in the June 1 issue of THE CHEMIST AND DRUGGIST concerned, as it was, with the development of the N.P.U. since its inception, was the subject of special and favourable comment.

It was unanimously decided to call a meeting of N.P.U. branch representatives on October 23, subject to suitable accommodation being available. Representation will be on the following basis: Branches having up to and including fifty members two delegates; branches with over fifty members, one delegate for each fifty or part thereof, with a maximum of four delegates for any one branch.

Reports and Correspondence

Notice was received of the Home Secretary's intention to amend the Poisons Rules and Poisons Lists, as follows:—Pethidine and its salts and dihydrodesoxymorphine to be added to the First Schedule zinc phosphide to be included in Part I of the Poisons List, and the First Schedule with an exception from the First Schedule when contained in articles sold for the destruction of rats and mice.

A report was submitted by MR. HEARLE following a meeting of a drafting panel set up by the British Standards Institution to deal with revised standards for fluid measures. Messrs. Hearle, McNeal and Skues, with Mr. H. Noble as secretary were elected to serve on a special sub-committee to formulate proposals for the most suitable types and sizes of fluid measures for use by retail pharmacists.

Penicillin

Correspondence appertaining to the dispensing of aqueous intramuscular injections containing penicillin was considered, and attention was drawn to the fact that it was hoped within the next few months to produce, on a commercial basis, a sterile solvent containing the bacteriostat chlorocresol. Full details of the dispensing fee negotiated by the N.P.U. for penicillin and penicillin preparations, together with information dealing with the dispensing of N.H.I. prescriptions containing penicillin had already been circulated to all secretaries of Pharmaceutical Committees, and had also been sent to the trade Press (see opposite page).

Following representations made to the Ministry, THE SECRETARY reported an increase from 0.2d. to 0.5d. in the allowance for ointment boxes under the National Health Insurance Scheme, to take effect from July 1.

The report was adopted.

Chemists' Defence Association

THE directors decided to make a special grant of £100 to the Glyn-Jones Memorial trustees in view of the increased demands on the Fund for educational grants. Settlements of four outstanding cases were approved, as follows: Trap-door accident, payment of £3 13s.; injuries alleged to have been caused by nasal douche supplied by a member, payment of £54; alleged incorrect interpretation of a prescription, payment of £39; and a payment of £12 in respect of damages arising from a sale of an article bought pre-packed which on use had proved to be of different composition from that specified in the label. Apart from the legal advice on a wide variety of subjects provided through the office, it was reported that the Union's solicitors had advised on a number of lease and tenancy problems, on a dispute in connexion with the purchase of a delivery van, and on excise licensing.

PENICILLIN ON INSURANCE PRESCRIPTIONS

A STATEMENT on the dispensing under the National Health Insurance scheme of medicines containing penicillin preparations has been issued by the Ministry of Health. The text of the statement is as given below:—

Where penicillin is used in extemporaneously compounded preparations ordered on N.H.I. prescriptions, endorsement of the prescription is necessary in certain cases if the proper payment is to be made to the chemist. The endorsement should be made before the prescriptions are sent in for pricing. The absence of the appropriate endorsement will not lead to the prescription's being referred back for clarification, but may lead in some cases to underpayment of the chemist. The following points should be noted:—

If the whole of the contents of the vial of penicillin are not required for filling the prescription and the remainder of the contents has not been used on the same day, the prescriptions should be endorsed

"Payment claimed for —— units; excess quantity not usable."

Unless the prescription is so endorsed, payment will be made only for the quantity of penicillin necessary to meet the prescription as written, on the assumption that the balance of the contents of the vial has been used in dispensing other prescriptions for preparations of penicillin containing water.

With preparations containing penicillin but not water (e.g., ointments in a water-free base and compounded powders) payment will be made only for the quantity of penicillin actually required in meeting the prescription; it will be assumed that the contents of the vial will be triturated with the base, and any residue not required for the particular prescription reserved for use in meeting future prescriptions. Provided the base in which the penicillin is incorporated is free from water, the reserved material will be stable over a long period and usable to meet some subsequent prescription requirement.

Where a prescription might be filled either by supplying a ready-made preparation or by dispensing a preparation extemporaneously, and the latter course is followed, the prescription should be endorsed "Dispensed extemporaneously." In the absence of such endorsement the Pricing Office will price on the basis of the ready-manufactured preparation having been supplied.

Penicillin Cream

Prescriptions for penicillin cream which do not indicate that the prescriber requires a different article will be interpreted, for Pricing Office purposes, as being prescriptions for penicillin cream, B.P. (see *C. & D.*, June 1, p. 698). It is not necessary to use full aseptic technique in making the B.P. preparation, and no sterilisation process is called for. As an interim measure, however, the sterile base that was made available before the issue of the B.P. monographs may be used for the months of June and July, and the prescription will be priced on that basis and carry the same fee of 2s. 6d. After August 1 chemists will be expected to use the correct base for penicillin cream, B.P., whether it is made extemporaneously or bought in small bulk from the wholesale house. The cream should be placed in a suitable container, not a chip-box, and the ingredient costs to be arranged will cover the outlay. The chemist will not be required to endorse the prescription regarding the method of dispensing it. The dispensing fee for penicillin cream, B.P., has been agreed at 1s. 6d.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

VOL. CXLVI JULY 6, 1946 NO. 3465

Penicillin on the Drug Tariff

CHEMISTS who are under contract with Insurance Committees should take immediate note of the rates of remuneration announced by the Ministry of Health (see p. 15) for the handling of prescriptions that include penicillin. Failure to act on the information given may prove costly.

The Ministry's statement deals principally with three problems that are likely to arise. The first is the protection of chemists against loss from broken bulk. Where the contents of a vial of penicillin are used for preparing an aqueous solution, and not all the solution is used on the day of preparation, the surplus, of course, is wasted. Obviously it is wrong and against the principles on which the Drug Tariff has been drawn up that the loss should be borne by the contractor, and the arrangements made by the Ministry for ensuring that the chemist receives adequate payment provide for the endorsement of the script by him with the words "Payment claimed for —— units ; excess quantity not usable."

A different sort of problem arises in connexion with such penicillin preparations as may be either prepared extemporaneously by the contractor or obtained by him already manufactured from a wholesale house. Here, a higher rate is payable for the extemporised preparation, provided the Pricing Bureau is made aware by an endorsement worded "Dispensed extemporaneously" that the chemist, and not a manufacturer, has been responsible for compounding the preparation.

A third problem arises from the fact that, under the new official standard for penicillin cream, which was given in full in THE CHEMIST AND DRUGGIST (June 1, p. 698), it is not necessary to adopt a full aseptic technique in preparation, while sterilisation of the product is not called for. For some time past, sterile bases have been available from certain manufacturers, designed to facilitate the preparation of a penicillin cream by simple addition to the base of a sterile penicillin solution. Chemists who have such sterile bases in stock will naturally prefer to exhaust these before switching over to the pharmacopœial method. The Ministry has arranged that prescriptions for a penicillin cream, other than that of the Pharmacopœia, will, if specially marked, be priced until July 31 on the basis in operation prior to publication of the B.P. monograph. After August 1, however, all chemists will be expected to use the pharmacopœial base and supply penicillin cream, B.P., either made extemporaneously or purchased from wholesalers. The soapless remain hopeful.

Empire Scientists in Conference

THE Royal Society's "Empire Scientific Conference," to which reference is made on p. 13, provides a timely stocktaking of the scientific resources in materials and manpower of the British Commonwealth of Nations. During the war, co-operation between member nations, and the pooling of scientific data, reaped a handsome harvest, and if the British peoples are to play, against competition, an equally substantial part in "Operation Peace," co-operation among their scientists and among the industries directly dependent upon science must be maintained and expanded. In the past, the Dominions have looked to Britain as their scientific *Alma Mater*, but henceforth decentralisation and collaboration with her Commonwealth colleagues should be the keynote of Britain's scientific policy. The Conference's unanimous decision on the need for making more widely available facilities for the exchange and travelling of Empire scientists is a significant step towards this end. The Conference is important to pharmacists and the drug trade for touching upon the present drug resources of the Empire : the value of

South Africa, Australia and New Zealand was mentioned as sources of supply of vitamin D from shark-liver oil, and of agar, while details of the present output of the Indian drug, chemical and soap industries were noteworthy; on the debit side the clove-oil industry of Zanzibar was shown to stand in peril unless a new use for eugenol is soon found. The serious incidence of beri-beri, pellagra, scurvy, rickets, other deficiency diseases and maternal mortality in certain Colonial territories shown in the figures quoted by Dr. B. S. Platt, is a liability of particular concern to those responsible for the manufacture and distribution of vitamins, while plans for the control of yellow fever, malaria, cholera, and plague are likely to make appreciable demands on the Empire's production of vaccines, specifics and insecticides. The Conference is to be followed by Government action, with possibly the establishment of a Commonwealth "Science Headquarters," and it is hoped finally to link these developments with the scientific side of the United Nations.

Soap Deferred

A STATEMENT made by the Parliamentary Secretary to the Ministry of Food to a Press conference recently seems to have raised, among victims of the domestic soap-ration cut, hopes that may be difficult to satisfy. The statement was to the effect that every encouragement would be given to manufacturers of soapless detergents not requiring fats as one of the raw materials. Since it was made, the statement has received many columns of notice in the daily Press.

The problems involved are at once technical, economic, and political. Of the two principal soapless detergents suitable for domestic use, one is derived from coconut oil and the other from the "cracking" of products of the petroleum industry. The former, therefore, affords little opportunity of relieving a situation caused by the world fat shortage, while even the petroleum derivative may raise added difficulties in shipping priorities.

So far as manufacturers of domestic preparations of the soapless type are concerned, they have made their position clear in a statement which is given on p. 4. They claim that, provided the Ministry really intends to give the promised encouragement—to the extent, moreover, of ensuring that sufficient packing materials are allocated to the trade—they can produce sufficient material to meet the situation. On the other hand, if virtually the whole output of the industry is to be directed to the export field, then domestic users will have to do without. It is understood that the matter is being pursued in a further question to be put to the Ministry in Parliament, but up to the time of going to press the Government's reply was not forthcoming. The soapless remain hopeful.

A Secretary Honoured

NOT only in Northern Ireland, but to pharmacists in Great Britain who made his acquaintance when the British Pharmaceutical Conference was held in Belfast in 1935, a presentation made at the June meeting of the Council of the Pharmaceutical Society of Northern Ireland to Mr. D. L. Kirkpatrick, upon his retirement from the secretaryship, will be recognised as a fitting tribute and reward for loyal service, foresight and acumen. When, under the Pharmacy and Poisons Act (Northern Ireland), 1925, a separate Pharmaceutical Society was set up in the six Northern counties, Mr. Kirkpatrick was already well known to pharmacists in Ulster by reason of his many contacts as representative, in turn, of two important wholesale houses. The number of members of the Society was, and remains, small by comparison with the Pharmaceutical Societies of Ireland and of Great Britain. Nevertheless, the prestige of the Northern Ireland Society is high, and its finances are on a basis that is more than sound, offering, as they do, a margin for the further developments that are likely to proceed from the passing of a new Act, the Medicines, Pharmacy and Poisons Act (Northern Ireland), 1945. For the healthy state of the Society's finances Mr. Kirkpatrick can claim a large share of the credit, a fact that has been recognised by his colleagues on the Council of the Society in making the presentation. To his successor, Mr. William Gorman, we wish an equally long and effective period of service.

CHIEF OFFICIALS OF DRUG AND PHARMACEUTICAL ORGANISATIONS

Mr. F. G. W. PAIGE

Secretary, The British Chemical & Dyestuffs Traders' Association

No. 20. Specially drawn from life for The Chemist and Druggist

DOMESTIC SOAPLESS DETERGENTS

SOAPLESS detergents prepared for household purposes consist usually of the salts of sulphated fatty alcohols, sulphated lauryl alcohol or usually iso-lauryl alcohol. Lauryl alcohol, a primary alcohol, is obtained commercially from coconut oil, while the iso-lauryl (or iso-dodecyl) alcohol is a secondary alcohol obtained from petroleum products by a "cracking process"; both contain twelve chain carbon atoms, and their structure may be represented as follows:

$$CH_3—CH_2 \ldots\ldots\ldots CH_2—CH_2\ OH$$

lauryl alcohol

$$\begin{array}{l} CH_3—CH_2 \ldots\ldots\ldots CH_2—CH.\ OH \\ \qquad\qquad\qquad\qquad\qquad\qquad\quad | \\ \qquad\qquad\qquad\qquad\qquad\qquad\quad CH_2 \\ \qquad\qquad\qquad\qquad\qquad\qquad\quad \vdots \\ \qquad\qquad\qquad\qquad\qquad\qquad\quad CH_2 \\ \qquad\qquad\qquad\qquad\qquad\qquad\quad | \\ \qquad\qquad\qquad\qquad\qquad\qquad\quad CH_3 \end{array}$$

iso-lauryl alcohol

The term sulphated fatty alcohol is technically a misnomer as the substances are actually the salts of alkyl sulphuric acid, and are prepared from fatty alcohols by treatment with sulphuric acid, followed by neutralisation, as shown below:

$$R.CH_2OH \xrightarrow[\text{and neutralise}]{H_2SO_4} R.CH_2O\,SO_2ONa$$

In addition to the sodium salt, as represented above, the ammonium and triethanolamine salts are manufactured to give the different physical properties required in the final preparation.

Properties

These compounds, in common with soap detergents, have the ability to reduce the surface tension of water, and to emulsify or suspend dirt particles until they are "floated away": the length of the carbon chain in the molecule of these detergents is thought to have an important role in this detergent action.

Sulphated fatty alcohols possess greater wetting, emulsifying and detergent powers than soap; their solution is neutral (*p*H about 7) — an important factor in products intended for use on sensitive skins; they will deterge at all alkali *p*H values and at many acid *p*H values; hard or sea water does not affect their action, as the calcium and magnesium salts are water soluble; they are chemically stable and do not go rancid, yet they possess a "fatty" character and have softening properties on cotton, wool, silk, rayon and hair. It will be seen that sulphated fatty alcohols make excellent detergents under a wide range of conditions, and possess many advantages over soap. The lauryl preparations (best known commercially as Lorol) produce a more stable lather than the secondary alcohol compounds (available commercially under the brand name of Teepol).

Preparations

The detergents are usually prepared commercially as paste, powder, or liquid. Sulphated Lorol paste is understood to consist of from 40 to 45 per cent. of sulphated fatty alcohol, 50 per cent. water, with a variable quantity of free fatty acid, sodium sulphate, etc.

The Lorol powder is prepared by spray-drying the paste and replacing the lost water with sodium sulphate. The solubility of these preparations is about 2 per cent. in cold water, but at 40°C. the solubility increases manyfold. The triethanolamine salt (commercially designated T.A.) is a viscous liquid miscible with water in all proportions, and is usually prepared as a 50 per cent. solution. Three mils of the solution is regarded as sufficient for one shampoo. The ammonium compound is a similar, but less elegant preparation, which tends to develop traces of free ammonia on keeping.

Sulphated cetyl and oleyl alcohols are used as detergents but have a limited application for domestic purposes as their detergent action takes place at a maximum at temperatures approaching the boiling point of water; they are useful, however, in laundry work. Sulphated lauryl alcohols, on the other hand, deterge best in temperatures up to about 50°C, and are therefore admirably suited to domestic use.

The applications of sulphated fatty alcohols covers a wide field, including their use as wetting and spreading agents in horticultural fungicides and insecticides, and the use of the copper salts for rot-proofing fabrics.

As the lauryl and iso-lauryl compounds are dependent on raw materials in short supply, the food consideration competing in the demand for coconut oil—the raw material for lauryl alcohol manufacture—the supply of both types of domestic soapless detergent is at the moment a difficult problem, but the question of Government help has been raised.

STERILISATION IN DISPENSING PRACTICE

(*Concluded from the C. & D., March 23, p. 367*)

THE solvent for the majority of injections is water and no pharmacist who contemplates their preparation can afford to be without his own still. The changes which have been made in successive monographs of the B.P. from 1932 through Addenda I and IV and the reasons underlying these alterations make the subject confusing for the pharmacist who has not closely followed the trends of thought in sterilisation practice. If he should still be dependent upon his 1932 B.P. he will distil his water into sterilised glass containers and then sterilise it, while if such water is for intravenous use he will redistil it from a glass still into a sterilised glass container and again sterilise. This unnecessary duplication is modified in the B.P. First Addendum so that the essential procedure now is to distil water from a glass or tinned-copper still collecting the distillate in a sterilised container and sterilise immediately. In practice this is further reduced when the water is to be used at once as the solvent for making an injection, and a single sterilisation of the sealed container in an autoclave is possible. This is recognised in the U.S.P. XII under aqua pro injectione, which is also tested for the presence of pyrogen-thermostable bacterial products.

Ensuring Pyrogen-free Water

The B.P has not yet included such a test and if the pharmacist will pay particular attention to the official details no doubt regarding the purity of the water should arise and another simple operation of distillation will not be delegated to the manufacturers. Pyrogen is of significance only when the water is used intravenously and then only if the injection is of large volume. Its absence is best achieved by using an efficient still in which all spray is prevented by a trap or baffle system, and subsequently by immediate sterilisation. The Baracop still is constructed of a tinned-copper boiler and resistance-glass condenser connected together through a water seal. The direction of the steam is changed four times and the distillate comes into contact only with glass. A glass hood from the outlet should cover the collecting vessel. If a wool-padded coat is placed over the boiler to retard loss of heat, the output of 2.2 or 2.7 litres per hour can be fully maintained. Provided with an immersion heater and wall attachment, this model will supply all the needs of the retail pharmacist. The Minorstill has about half the output of the Baracop but in addition provides a combined water bath. A request for pyrogen-free water has become popular since the release of penicillin so that pharmacists should be able to supply this on demand.

Heating with a Bactericide

This is undoubtedly the simplest method and one requiring no more apparatus than is usually available in any pharmacy. Its development depended upon the introduction of phenolic derivatives possessing a high bactericidal action, and which are non-toxic in the low dilutions required. Chlorocresol 0.02 per cent. or phenylmercuric nitrate, 0.002 per cent., are the two substances officially used at a temperature of 98°-100°C., i.e., in flowing steam, for a period of thirty minutes. Heating with a bactericide is therefore very suitable for the busy pharmacist, the whole process taking little over an hour, compared with the doubtful method of tyndallisation taking three days and which is now officially deleted. If the volume of the injection exceeds 30 mils there is, as in autoclaving, a lag period of twenty to thirty minutes depending again on the number and size of the containers and the type of steamer. The steamer used may be a metal chamber or box with lid and containing a suspended wire cage; or a double saucepan may be adapted; or the autoclave with open steam cock, but a water bath is unsuitable as it does not permit a flow of steam to surround the containers. The injection may be dispensed in ampoules, Clinbritic bottles or in the 10-mil vaccine bottle with slip-over rubber cap. The cap is secured on and in all cases sterilisation is done on the containers when finally sealed. It is not usual to employ this method when the drug is given by intravenous injection and then only if the dose of solution is less than 15 mils. It is important to draw attention to the two distinct uses, made in the B.P., of a bactericide: (*a*) as described, to effect the initial sterilisation of drugs which decompose at a temperature exceeding 100°C. irrespective of the type of container or the number of doses; (*b*) to prevent growth of micro-organisms introduced by accidental contamination during the withdrawal of successive doses from a multiple-dose container, irrespective of the sterilisation method employed, i.e., bacteriostatic action.

Hypodermic Injections

These are more frequently employed than any other. The busy general practitioner carries a variety of hypodermic tablets; the hospital may use tablets, ampoules or multiple-dose bottles. The site of such an injection being just under the skin, together with its small volume (usually 1 mil) do permit some relaxation in methods which would not be accepted for an intravenous injection. The doctor uses boiled tap water to dissolve his tablets which cannot be guaranteed to be sterile. If a single dose is prescribed, then an ampoule would be indicated. The common hypodermic injections of morphine, atropine, heroin, etc., can all be treated as described.

Heating in a Hot-air Oven

Dry sterilisation has a limited use and is generally less efficient than moist heat. Whereas the autoclave is a necessity it may be decided than an oven can be omitted from the dispensary equipment. Heating at 150°C. for one hour can be used for glassware, porcelain and metal containers, but if they are to be used at once and moisture is no objection, then autoclaving is preferable. No other method, however, can be used for such substances as glycerin, paraffins, talc and kaolin, and certain other powders which resist moist heat. During the war a demand, which is increasing, was made for sterile sulphonamide powders, alone or mixed with proflavine, 1 per cent. To obtain a powder suitable for dusting on a wound its adherent moisture must first be removed by prolonged heating in layers at 100°C. It may then be transferred to McCartney-type bottles holding 10 grams and the cap screwed on. A sterilising period of one hour at 150°C. is given, except that for sulphanilamide itself a temperature of 140°C. for four hours will prevent the darkening and possible melting at higher temperatures. The pharmacist will, however, be unable to compete economically with the manufacturers of the sterile powder in double envelopes as supplied to the Forces. The narrow margin between sterilising temperature and melting point makes a thermostatic control necessary. Experience has shown that either the Bara electric oven or the Sterotherm are convenient and accurate in use. The slow rate of heat conduction through a powder makes the time-lag between the period at which the oven and the centre of the powder attain 150°C., much longer than when under moist conditions. It will vary from one to two hours, making a total time of two to three hours, again depending upon the number of con tainers, their method of packing in the oven and the design of the oven. Talc fo surgeons' gloves, kaolin and zinc oxide ma be sterilised at 200°C. for one hour in fla trays.

Containers

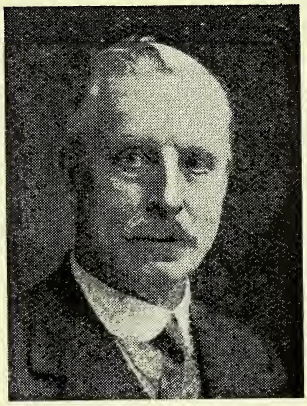
The most practical multiple-dose con tainer has been found to be the Clinbriti bottle, in white or amber glass. It ma be used for both the steaming and heating in-an-autoclave methods, and its rubbe stopper withstands continued use. Th 10-mil vaccine bottle with rubber ca wired on can be steamed, but if autoclave an air gap must be provided between th cap and bottle to prevent distortion c complete rupture, but such procedure i liable to give rise to hand infection durin the subsequent adjustment of the cap For the sterilisation of oils, a plastic c aluminium screw-cap bottle may be use These bottles or preferably the milk bottl with spring clip stopper are suitable for th bulk intravenous solutions. The latter ar well adapted for hexamine and sodiur bicarbonate where decomposition occur and pressure is set up during heating After standing overnight with an occa sional shake re-combination takes place The card liner in plastic caps should b replaced by a rubber one, previously boiled As a safeguard it is advisable to attach time label to the autoclave or steamer The final capping of containers not onl ensures freedom from dust round the neck but enhances appearance. Viscaps an Viskrings give an elegant finish wherea sealing waxes block the needle and ar unnecessary. The B.P. directs that rubbe caps shall be well boiled and stored in solution of the bacteriostatic employed i the injection so as to eliminate furthe absorption when in contact with the solu tion. When injection solutions are in fre quent demand it is usual to keep the drug in separate containers for this purpos exclusively.

Avoidance of Dust

Recent work has proved that pyroge can develop from the solid drugs as well a from the solvent so that the avoidance c dust is of importance. Tin tubes provide popular method for packing sterile oint ments and a convenient one in use so tha the bulk is not contaminated. Soft paraffi can be sterilised in open tubes using th hot-air oven or even over a sand bat with control by means of a thermometer.

PRESENTATION TO MR. KIRKPATRICK

THE great services to pharmacy in Northern Ireland of Mr. David Lawson Kirkpatrick, secretary of the Pharmaceutical Society of Northern Ireland since its formation 21½ years ago, were acknowledged at the June meeting of Council (see next page), when he was presented with a wallet of treasury notes.



Mr. D. L. Kirkpatrick

Making the presentation, THE PRESIDENT (Mr. James McDowell) recalled that, like many others, he had first met Mr. Kirkpatrick at the time the latter was a representative in Ireland for Burroughs Wellcome & Co. He was already at that time one of the best known of all the members of the trade, and no-one could have proved a better choice for the position of secretary when the Society was formed. His gift of diplomacy had been shown by the part he had successfully played in securing reciprocity with the Pharmaceutical Society of Great Britain, and he had guided the Council and successive presidents faithfully and wisely, as well as keeping a strict eye on the finances of the Society. These were today in sound condition.

MR. MCDOWELL then moved the following resolution to be recorded in the minutes: "That we, the Council of the Pharmaceutical Society of Northern Ireland, wish to express our sincere regret at the decision of Mr. D. L. Kirkpatrick to retire from the position of secretary of our Society which he has held since its inception. During his twenty-one years of diligent and conscientious service, he has proved himself a loyal and efficient servant and his courtesy and kindly disposition have won our highest regard. We desire to place on record our sincere appreciation of the manner in which he has carried out the duties of his office, and the zeal and devotion he has at all times shown in promoting the status of the Society and furthering its aims. We extend to him our best wishes for the years that lie ahead and pray that he will be long spared to enjoy the leisure which he so richly deserves."

The resolution was seconded by MR. J. W. GRAY, J.P. (vice-president), and passed unanimously. Mr. Gray recalled that it was forty-six years previously that he had first met Mr. Kirkpatrick while he was in Dublin.

MR. J. MCGREGOR (the treasurer) reported that there had been an immediate response to the proposal to make a presentation.

Tributes to Mr. Kirkpatrick were then expressed by MR. J. E. CONNOR, J.P., and DR. S. E. A. ACHESON, two of the original members of the Council. Others who spoke were MESSRS. FRED MOORE, WALTER C. TATE, J. GLENDINNING, and H. F. MOORE, PROFESSOR E. B. C. MAYRS, and MESSRS. J. ABERNETHY, J. T. NICHOLL and WILLIAM GORMAN. MR. JAMES DONAGHY, speaking as one of the first students and licentiates of the Society, said that many, like himself, owed a debt of gratitude to Mr. Kirkpatrick.

In reply, MR. KIRKPATRICK said it had given him particular pleasure to see his old friends Dr. Acheson and Mr. Connor present, as they had been present on December 5, 1925, when the Society began. He recalled that the Society's first examinations had been held within six months of that date, and that had been a great achievement. He was glad that the Society was in such a sound financial state, with £14,000 to its credit, as its expenses were likely to become a great deal heavier in the future. The passing of the Medicines, Pharmacy and Poisons Act, 1945, had been a great event in pharmaceutical history, and he made special mention of the work done in preparing the Bill by Mr. Nicholl, Mr. Abernethy and Professor Mayrs. In several features the Act was ahead of legislation in Great Britain. "My ambition," said Mr. Kirkpatrick, "was always to make the Society second to none, and I think we have indeed reached a proud position. I believe in our examinations we turn out a type of man we need not be ashamed of anywhere." Commending his successor (Mr. Gorman) to members of the Council, Mr. Kirkpatrick said he was sure Mr. Gorman would perform all his duties splendidly. If at any time the new secretary or the Council wished to have his assistance he would be only too pleased to give it. He thanked the Council for its confidence, its gift, and its good wishes.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on June 21, the president (Mr. James McDowell) in the chair. Those present were :—Messrs. J. W. Gray (vice-president), J. McGregor (treasurer), J. E. Connor, J. Glendinning, C. Abernethy, J. Donaghy, H. F. Moore, J. T. Nicholl, Walter C. Tate, James Irwin, F. R. Moore, Dr. S. E. A. Acheson and Professor E. B. C. Mayrs. Messrs. D. L. Kirkpatrick (secretary), William Forman (assistant secretary), were in attendance.

A letter was received from eight students of the Magherafelt Technical School stating that they had heard with surprise that the pharmacy classes had been closed. Their only alternative was to travel to Belfast and some could not afford the cost. The letter added that, if the writers had known that such a situation would arise, they would not have begun their apprenticeship in the country. "We feel that in these days some fund should be able to provide proper laboratory facilities," they added. THE SECRETARY said the Council had decided not to give a grant to the Magherafelt Technical School in view of the fact that the facilities for teaching physics and chemistry were inadequate. Only two of the eight students who signed the letter came from Magherafelt, the remainder being from Cookstown, where the technical school had not yet been inspected. MR. CONNOR suggested that the letter should be brought to the notice of the Government, so that outlying districts could be given proper facilities, and MR. DONAGHY said he thought that regional Education Committees had power to grant travelling scholarships in cases of this kind. He suggested that the education committee of the Society should draw up rules on the provision of classes for pharmacy students for the information of the headmasters of technical schools, among which Coleraine was now to have day classes. It was agreed that this should be considered by the committee at its July meeting.

Rulings on Regulations

A letter was received from the Joint Committee of the Ulster Chemists' Association requesting the Council to give rulings on certain questions arising out of the new Regulations. The questions and the Council's decisions were :—

1. Is an apprentice registered before June 1, 1946, entitled to complete the fourth year of apprenticeship by engaging in a course of full-time study, such as is to be followed by an apprentice indentured after June 1, 1946 ?—Yes.

2. Is an apprentice registered before June 1, 1946, required to complete his apprenticeship by a course of full-time study as set out in the previous question ?—Yes.

3. For the purpose of determining the number of pupils employed in any shop which, if any, of the following should be classed as a pupil :—

(*a*) An apprentice registered before June 1, 1946, who has completed his apprenticeship and is still pursuing a course of study with a view to taking one of the Society's examinations ?—No.

(*b*) An apprentice registered before June 1, 1946, who has completed his apprenticeship and is not pursuing any course of study other than the practical work of compounding prescriptions in the course of his employers' business ?—No.

(*c*) A person who is not and who has not been at any time an indentured or registered apprentice to a pharmaceutical chemist but who is employed in a retail pharmacy in the work of compounding and/or dispensing medical prescriptions under the supervision of a pharmaceutical chemist ?—No.

MR. H. F. MOORE drew attention to a doubt as to whether the Council had power to determine such cases or whether the relevant passage in the Regulations applied only to the Draft Articles of Pupilage, and it was decided that the replies should be subject to the advice of the Society's solicitor on this point.

Education Committee

The minutes of the Education Committee recommended that certificates of apprenticeship to a pharmaceutical chemist should be granted to the following students who had submitted documentary evidence in accordance with the Regulations :—Daniel Gerard Anglin ; Walter Collins ; Michael Thomas McGread ; and Annie Esther Staunton. Acceptances for the Part I Qualifying examination in June totalled thirty-eight, with twenty-eight for the Final Part II (Qualifying) examination. MR. TATE suggested that the certificates of successful candidates should be presented by the president before the Council, and proposed that this should be done after each examination. MR. DONAGHY seconded, and the proposal was agreed to.

PALESTINE LEMON OILS

THE "Bulletin of the Imperial Institute" (XLIV. I. 5–8) contains new data on constants of lemon oils from Palestine. The number of samples tested was small, but the results provide useful information as guidance in dealing with Palestine lemon oils. Arrangements have been made for further studies.

B.P. Optical Rotation Exceeded

It will be seen that, when examined in April–May 1945, the oils met the requirements of the British Pharmacopœia in all respects except the following: The optical rotation was higher in every case than that allowed. The differences ranged from 0.8° for samples 1125 and 1128 up to 4.5° for sample 1127. Sample 1128, besides having an optical rotation which was slightly too high, contained more non-volatile matter than is permitted by the above authority; and in this respect differed from the other five of this series. This difference may be due to the oil having been prepared by a process (i.e. Bennett's) which was not employed in the case of the other samples. The amount of citral fell into line with the requirements of the Pharmacopœia, but in each case the figure was below the minimum of the ranges for Sicilian oil quoted by Gildemeister and by Parry, and given in the original paper. The optical rotation Palestine oils was higher than that of Sicilian oils. Odour and flavour were different.

S.G. Increased by Storage

Considering the figures obtained in September 1945, it will be observed that a definite increase in specific gravity had been brought about by storing the samples, though in the case of sample 1128 this increase was very small, and that the specific gravity of sample 1127 had risen above the B.P. maximum for this constant. The optical rotation of the oils was somewhat lower than when the measurements were made originally, though still above the maximum given in the B.P. Little change had taken place in the refractive index of the samples, which in every case still conformed to the B.P. requirements. The amount of non-volatile matter in sample 1127 was considerably in excess of that found previously and with sample 1129 an increase had taken place, though to a less extent; sample 1128, with 3.4 per cent., the same amount of non-volatile matter as before, was still the only oil having non-volatile matter in excess of the amount permitted in the B.P. With regard to citral content, except in the case of sample 1128, a considerable drop in this constituent had taken place, so that samples 1126 and 1127 contained less than the B.P. minimum.

CONSTANTS OF PALESTINE LEMON OILS

	Present Samples						Comparative figures
Sample number ... How prepared ...	1125 Hand-pressed	1126 Machine-pressed	1127 Hand-pressed	1128 Machine-pressed	1129 Hand-pressed	1130 Hand-pressed	Requirements of the B.P. (1932), as amended by Addendum No. 7
Specific gravity at at 15.5°/15.5°C.	(a) 0.8558 (b) 0.8587	(a) 0.8548 (b) 0.8615	(a) 0.8548 (b) 0.8657	(a) 0.8567 (b) 0.8572	(a) 0.8556 (b) 0.8609	(a) 0.8556 (b) 0.8576	0.855-0.861
Optical rotation α_d 20°C. ...	(a) +65.8° (b) +65.5°	(a) +66.4° (b) +65.5°	(a) +69.5° (b) +68.0°	(a) +65.8° (b) +65.9°	(a) +67.1° (b) +66.6°	(a) +68.2° (b) +68.1°	+57° to +65°
Refractive index n_d 20°C. ...	(a) 1.4752 (b) 1.4756	(a) 1.4751 (b) 1.4754	(a) 1.4750 (b) 1.4762	(a) 1.4752 (b) 1.4750	(a) 1.4757 (b) 1.4752	(a) 1.4751 (b) 1.4747	1.474 to 1.476
Citral, *per cent.* ...	(a) 3.3 (b) 2.9	(a) 2.9 (b) 2.0	(a) 3.3 (b) 2.2	(a) 3.2 (b) 3.0	(a) 3.2 (b) 2.5	(a) 3.1 (b) 2.8	Not less than 2.5 per cent. w/w of aldenydes calculated as citral
Non-volatile matter, *per cent.*	(a) 1.9 (b) 1.8	(a) 2.2 (b) 2.5	(a) 1.8 (b) 2.7	(a) 3.4 (b) 3.4	(a) 2.1 (b) 2.6	(a) 1.8 (b) 1.8	1.5–3

(a) Original examination (April-May 1945). (b) Re-examination (September 1945). (The original table includes also a range of constants for Sicilian lemon oil from two well-known sources.)

OVERSEAS TRADE NEWS

New Egyptian Company.—Among new companies recently registered in Egypt is the General Chemical Industries Co. (C.I.C.), with a capital of £E80,000. The company intends to engage in the buying, selling, transformation and manufacture of all types of chemical products.

Norwegian Whale Oil for Russia.—The first free sale of Norwegian whale oil to any European country is reported by the Norwegian–American Chamber of Commerce. About 2,500 tons of refined whale oil is said to have been sold to Russia to the value of five million kroner.

German Vanillin from Sulphite Liquor.—A field information agency technical report (No. 448) states that no vanillin was produced in Germany from sulphite liquor. Plans, however, were in progress to build a plant for this purpose, but the process to be used was not radically different from those in use elsewhere.

Uruguayan Linseed Oil Sold.—A Montevideo message states that crushers have already sold all their production of linseed oil for this year and some of January and February 1947 production. The last price paid for linseed oil was 68 Uruguayan pesos per 100 kilos (including drum), crusher's plant. Crushers are paying up to 17 Uruguayan dollars per 100 kilos for linseed.

Chilean Whale Oil Production.—The single Chilean whaling company anticipates a substantial increase next year over the present output of oil, with an exportable surplus available. The company reports that it has purchased two new catcher boats and is negotiating for a third to supplement the three old catchers which constitute the present fleet. Production of whale oil in Chile during 1945 totalled 3,809 short tons.

Czechoslovak Trade Delegation for Germany.—A Czechoslovak trade delegation will leave for Berlin shortly to discuss trade questions with the Allied Control Commission. Deliveries of salt from the American and Soviet zones of occupation for the Czechoslovak chemical industry will be one of the chief subjects for discussion. The delegation will consist of representatives of the Ministry of Foreign Trade and of certain nationalised industries.

Italian Mercury for U.S.—The first post-war shipments of mercury from Italy have arrived in the United States. More consignments are expected at a later date. Mexico was the only country from which the United States imported mercury during the first quarter of this year. No figures concerning the amounts involved are available, but during the final quarter of 1945, the United States imported about 1,500 flasks from Mexico and 17,600 flasks from Spain.

New High-yielding Sunflower Strain.—A virile new strain of sunflower-seed, producing a hybrid said to be capable of yielding 49 per cent. more oil than the variety now in general use, has recently been described by the Canadian Department of Agriculture. Successful results were reported to have been obtained with the new seed at the Morden Experimental Farm in Manitoba in 1945, and approximately 970 lb. of seed was produced there for planting this year.

Indian Oilseed Market.—It is reported from Calcutta that the sugar controller has been appointed to control prices and movements of oilseeds. The prohibition of oilseed exports so far has failed to check speculation, and prices in many cases have risen to the highest levels ever recorded. No definite control plans have yet been announced, but it is believed that the controller will have to improvise plans to enforce the regular movement of oilseeds at reasonable prices.

Aid for Brazil's "Rubber Army."—Flying boats of Brazil's air force are to be employed to fly medicines and first-aid equipment into the jungles and swamps of the unexplored Amazon Basin where thousands of Brazil's "rubber army" are reported to be in a "miserable plight." This "army" was mobilised all over northern Brazil and sent into the Basin to extract rubber for the Allies after Pearl Harbour.

U.S. Drug Price Increases Unlikely.—At the recent annual meeting of the American Pharmaceutical Manufacturers' Association the president declared that conditions in the pharmaceutical field precluded possibilities of any "general price increases." The competition in the ethical drug field would mitigate against any such step, he added. As drug production was far beyond that of 1941, the "industry should be freed from OPA control immediately." He emphasised that there was "no danger of an inflationary tendency" in the industry and that "manufacturers' facilities are more than adequate for the vast majority of drugs offered."

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary according to brand or grade.

28 Essex Street, W.C.2, July 3

CONDITIONS on the London drug and chemical markets have shown little alteration during the past week. Interest still centres chiefly on MENTHOL. No higher prices are recorded at the moment for spot material but business in transhipment goods has been done at a higher figure than that mentioned last week. In PHARMACEUTICAL CHEMICALS, makers of MAGNESIUM products report price advances for LIGHT MAGNESIUM CARBONATE, LIGHT MAGNESIUM OXIDE, HEAVY MAGNESIUM CARBONATE and MAGNESIUM TRISILICATE, consequent on higher costs. New schedules are given on p. 29. ZINC OXIDE has been advanced by £8 10s. per ton under the Control of Non-ferrous Metals (No. 24) Order, made by the Ministry of Supply.

Crude Drugs

While few important price changes have occurred in this section, several items have attracted attention. Cape ALOES is urgently required but there are reports of scarcity at the source. Sumatra BENZOIN is mentioned after a prolonged absence from the markets; business is reported to have been done with the source. CARDAMOMS remain exceedingly scarce on the spot. A fair quantity of new-crop CASCARA SAGRADA has been done for July–September shipment. Some forward business is reported in CASCARILLA quills. CHILLIES and other SPICE products have had a quiet week with the home trade uninterested. A moderate business has been done in COLOCYNTH at unchanged prices. SEEDS are quiet with prices at about the levels recorded last week. Good quality SQUILL is unobtainable.

Expressed Oils

The Minister of Food announces that there will be no change in the existing prices of UNREFINED OILS and FATS and TECHNICAL ANIMAL FATS allocated to primary wholesalers and large trade users during the five weeks ending August 3. The only changes in the existing prices of REFINED OILS and IMPORTED EDIBLE ANIMAL FATS allocated to primary wholesalers and large trade users during the eight-week period June 23 to August 17 are advances in COCONUT OIL and PALM KERNEL OIL (see p. 30).

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were :—

Centre	Quoted	July 3
*Alexandria	Piastres to £	97⅜–97⅝
Brussels	Francs to £	176½–176¾
Copenhagen ..	Kroner to £	19.32–19.36
Dutch West Indies..	Florins to £	7.58–7.62
Oslo	Kroner to £	19.98–20.02
Paris	Francs to £	479.7–480.3
Lisbon	Escudos to £	99.80–100.20
Montreal	Dollars to £	4.43–4.45
New York	Dollars to £	4.02½–4.03½
Stockholm	Kroner to £	16.88–16.92
Zurich	Francs to £	17.34–17.36

* Free market rate.

U.S. Drug Market Report

New York, June 28

SPAIN has resumed shipments of TARTARIC ACID and CREAM OF TARTAR to the United States and the market has become easier. It is also hoped that Spanish prices for MERCURY will decline now that Italian metal has arrived in quantity. Some arrivals of mercury from Chile have also been reported. AGAR suppliers are looking forward to the resumption of Japanese exports, an event which some believe to be imminent. Some shipments of BELLADONNA have arrived from Europe and it is hoped that the supply situation for ATROPINE will improve shortly. The CAMPHOR supply picture is also improving with increasing offers from the Far East. Some offers of BB camphor from the Island of Formosa, occupied by the Chinese, have been reported. Arrivals of SHARK-LIVER OIL from Sweden and Argentine and COD-LIVER OIL from Norway have found a ready market. Holders of Brazilian MENTHOL seem reluctant to sell, owing to rapidly increasing replacement costs. Much will depend on whether or not large supplies will be forthcoming from China, but according to trade opinion only a small amount will be available for immediate shipment. Not much is known about actual plantings in China. If China has planted MENTHOL during 1946, first arrivals will be forthcoming in November this year. If, however, she has not planted during 1946, no menthol from that hemisphere will be available to the United States before the autumn of 1947 and world markets will have to rely on the Brazilian

product. Latest local prices for menthol, quoted by the "Journal of Commerce," amount to $7 to $7.25 with comparatively few offerings. According to a recent estimate of the Department of Commerce, production of QUININE in the Netherlands East Indies increased about 16 per cent. during the Japanese occupation and output in 1944 totalled 750 tons. The Dutch expect no difficulty regarding rehabilitation of production once the current political situation is cleared. A substantial shipment of VANILLA BEANS is expected from Madagascar late next month or early in August. Applications have been made for shipment of an additional quota of vanilla beans over and above the 250 tons quota fixed by the French Colonial Government for the period June 1 to December 31, 1946. In the CRUDE DRUGS market some offerings of Italian ORRIS ROOT are reported and the supply situation is expected to ease further. Supplies of SOAP BARK are short and prices are expected to rise since the new crop is still some time away. Indian RHUBARB ROOT is almost unobtainable but some Chinese rhubarb is expected. It is, however, uncertain whether parcels afloat will be accepted by the Food and Drug Administration since early arrivals have proved to be of inferior quality. In the ESSENTIAL OILS market almost all aromatic chemicals continue scarce. Some BERGAMOT OIL has arrived from Italy, but little is offered since dealers are holding out for higher prices. Bourbon YLANG-YLANG is quoted by some houses.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations are steady at 2s. 5d. per lb. for powder, and 2s. 6d. for crystals.

AMPHETAMINE.—Makers quote at the unchanged price of 150s. per lb.

ATROPINE.—Home market prices per oz. are: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BARIUM SULPHATE, B.P. (*x*-ray).—Prices per lb. quoted by makers, in 28 lb.–1 cwt. lots, for home sales are (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

BISMUTH SALTS.—Current prices per lb. for CARBONATE, in quantities of 14 lb.-28 lb., are as follows (containers in brackets): 13s. 0½d. (1-lb.); 12s. 11½d. (2-lb.); 12s. 11d. (4-lb.); 12s. 10d. (7-lb.); 12s. 9½d. (14-lb.). CITRATE 2s. per lb. above; SALICYLATE, 6d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBNITRATE, 1s. 2d. per lb. below the prices for carbonate.

BORAX.—Ton lots are quoted as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-tone lots.

BORIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BROMIDES.—POTASSIUM, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14 lb.); 2s. 10½d. (28-lb.). SODIUM, 1½d. per lb. less, and AMMONIUM, 1½d. per lb. more, than above prices. Prices are net, without engagement.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CITRATES.—Prices of POTASSIUM and SODIUM in the home market were recently advanced by one penny per lb. and that of FERRI ET AMMON. CIT. by twopence per lb. New rates are as follows:—

Containers	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	4 0½	—	—	—	—
4 lb.– 7 lb.	3 11½	3 10	—	—	—
7 lb.– 14 lb.	3 10½	3 9	3 8	—	—
14 lb.– 28 lb.	3 9½	3 8	3 7	3 6½	—
28 lb.–112 lb.	3 8½	3 7	3 6	3 5½	3 4½

Prices net one month. 1 lb. and 4 lb., in bottles or tins; 7 lb. and 14 lb., in bottles, tins or jars; 28 lb., in tins. FERRI ET AMMON. CIT., B.P., 3d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

CHLORAL HYDRATE.—Steady; current prices are as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; less, 5s. 3d.

CODEINE.—Prices per oz. current in the home market are: PURE, ½ oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDROCHLORIDE, ½ oz., 46s. 6d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d. PHOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. HYDROBROMIDE and IODIDE, as PURE; SULPHATE, as HYDROCHLORIDE.

DIAMORPHINE.—New prices per oz. are: PURE, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: PURE, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.–28 lb., in 14-lb. lots, 11¾d. per lb.; 28 lb.–112 lb. in 14-lb. lots, 11½d.; in 28-lb. lots, 10¼d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

MAGNESIUM CARBONATE, HEAVY.—Home market prices have been advanced by one penny per lb. as from July 1. New schedules are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb.– 4 lb.	2 0	—	—	—	—
4 lb.– 7 lb.	1 11	1 9½	—	—	—
7 lb.–14 lb.	1 10	1 8½	1 7½	—	—
14 lb.–28 lb.	1 9	1 7½	1 6½	1 6	—
28 lb.–1 cwt.	1 8	1 6½	1 5½	1 5	1 4

MAGNESIUM CARBONATE, LIGHT.—Home market schedule has been advanced by one penny per lb. as from July 1. New rates are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb.– 4 lb.	1 9	—	—	—	—
4 lb.– 7 lb.	1 8	1 6½	—	—	—
7 lb.–14 lb.	1 7	1 5½	1 4½	—	—
14 lb.–28 lb.	1 6	1 4½	1 3½	1 3	—
28 lb.–1 cwt.	1 5	1 3½	1 2½	1 2	1 1

MAGNESIUM OXIDE, LIGHT.—New scales for the home market are as follows (prices per lb.):—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb.– 4 lb.	3 5½	—	—	—	—
4 lb.– 7 lb.	3 4½	3 3	—	—	—
7 lb.–14 lb.	3 3½	3 2	3 1	—	—
14 lb.–28 lb.	3 2½	3 1	3 0	2 11½	—
28 lb.–1 cwt.	3 1½	3 0	2 11	2 10½	2 9½

MAGNESIUM TRISILICATE.—Higher prices per lb. are quoted for the home market as from July 1. New scales are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	4 4	—	—	—	—
4 lb.– 7 lb.	4 3	4 1½	—	—	—
7 lb.–14 lb.	4 2	4 0½	3 11½	—	—
14 lb.–28 lb.	4 1	3 11½	3 10½	3 10	—
28 lb.–1 cwt.	4 0	3 10½	3 9½	3 9	3 8

MANDELIC ACID.—In good demand. Current quotations are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—In fair supply. Smalls are quoted at 2s. 6d. per lb.; winchesters at 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

MORPHINE.—Prices per oz. current in the home market are: PURE, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d. BIMECONATE and TARTRATE, as PURE; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PHENOLPHTHALEIN.—Unchanged at the following prices: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

PULV. BISMUTH. CO., N.F.—Current rates per lb. in the home market, in quantities of 28 lb.–112 lb., are as follows (containers in brackets): 2s. 9d. (1-lb.); 2s. 8d. (2-lb.); 2s. 7½d. (4-lb.); 2s. 6½d. (7-lb.); 2s. 6d. (14-lb.); 28 lb., 2s. 5d.

Crude Drugs

ALOES.—Cape is urgently wanted; forward value is at 120s. per cwt.., c.i.f. Curacao is firm at 300s., with the last c.i.f. prices received at 240s. to 250s., according to seller.

ANTIMONY.—In good request at unchanged prices. Minimum 99.6 per cent. regulus, £132 10s. per ton; minimum 99 per cent., £125; 70 per cent. crude, for the home trade, £105 per ton, delivered.

ARECA NUTS.—Dealers' spot quotations are steady at 75s. per cwt.; shipment, 55s., c.i.f.

BALSAMS.—*Canada* is priced at 13s. 6d. to 14s. per lb., and *Peru* at 8s. 3d.; *Tolu* and *Copaiba*, unobtainable.

BENZOIN.—A few cables are reported to have been exchanged and a parcel of Sumatra bought for resale at £25 to £26 per cwt., landed.

BISMUTH.—High-grade metal is quoted at 9s. per lb.

BUCHU LEAVES.—In small supply on the spot at 4s. 9d. per lb.

CARDAMOMS.—Scarce. Aleppy seed, spot, 8s. 6d. per lb.; Aleppy greens, 7s. 6d.; Mangalore heavy, 7s.

CASCARA SAGRADA.—A fair business is reported done in new crop for July–September shipment at 285s. per cwt., landed, duty paid.

CASCARILLA.—Quills are quoted at 2s. 9d. per lb. on spot; some business is reported done at 2s., c.i.f.

CHAULMOOGRA.—*Hydnocarpus* may be obtained on spot at 2s. per lb., in tins in cases.

CHILLIES.—Quiet conditions obtain, with Mombasa quoted at 150s. per cwt. on spot; shipment, July–August, 140s. per cwt., c.i.f., buyer's licence.

CINNAMON.—Chips, spot, 2s. 2d. per lb.

CLOVES.—Quiet; values unchanged. Zanzibar, spot, 1s. 1d. per lb., sellers; shipment, July–August, 9¾d., c.i.f., buyers' licence.

COCHINEAL.—Silvers are available at 5s. 6d. per lb., and blacks at 5s. 9d.

COCOA BUTTER.—The maximum official price remains at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

COLOCYNTH.—Fair white pulp is wanted at 2s. 6d. per lb., on spot.

DIGITALIS LEAVES.—Portuguese, spot, 130s. to 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—Spot is available at 7s. 9d. per lb.; to arrive, 7s. 3d.

GUM ACACIA.—Kordofan cleaned sorts is firm on spot at 77s. per cwt.; bleached, steady at 150s.; Talha, cleaned, 42s. 6d.

HENBANE.—Indian leaf is available at 250s. per cwt., and Egyptian (*muticus*) at 90s.

KARAYA GUM.—Indian No. 1 gum would be worth 200s. per cwt., on the spot.

KOLA NUTS.—Current spot prices are: African quarters, 8d. per lb.; African halves, 6d.; Jamaican washed halves, 7d. Business is qufet.

LIQUORICE ROOT.—Natural Anatolian root, on the spot, 85s. to 90s. per cwt.; cut root, 110s.

MENTHOL.—A good inquiry is maintained for transhipment goods and up to 41s. per lb. has been paid, in bond. Duty-paid material is offered to consumers at 36s. to 37s., probably the highest spot price to which the D.M.S. would agree. Business is reported done from Brazil at 36s. 6d. f.o.b., which would indicate a duty-paid price of around 45s. Some orders have been sent to China at 37s. 6d. to 40s. c.i.f., but no definite business has yet been done at these figures. However, a small parcel is reported just shipped from China and is offered at 43s. 6d., c.i.f.

MERCURY.—Prices are controlled by the Control of Mercury (No. 11) Order, 1945 (S.R. & O., 1945, No. 1129) (*C. & D.*, October 13, 1945, p. 388).

NUTMEGS.—Prices are nominal: West Indian, 80's, 5s. per lb.; sound unassorted, 4s. 9d.; wormy and broken, 4s. 6d.

NUX VOMICA.—Cochin, spot, 45s. per cwt.; shipment, 39s. 6d., c.i.f.; Mangalore, spot, 37s. 6d.

ORANGE PEEL.—Fine-cut Tripoli, spot, 4s. 9d. to 4s. 10½d. per lb. Spanish quarters, 2s. 9d. Spanish sweet ribbon, shortly arriving, 2s. per lb.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white pepper and 1s. per lb. for black pepper.

PIMENTO.—Sellers on spot at 1s. 2d. per lb., but business is quiet; shipment, 122s. 6d. per cwt., c.i.f., buyers' licence.

QUILLAIA BARK.—Quotation for natural is unchanged at 120s. per cwt., and that for cut bark at 140s.

RHUBARB. — Common-round, near-at-hand, 12s. 6d. to 13s. per lb., duty paid; to arrive, 10s. to 10s. 6d., c.i.f.

SARSAPARILLA.—Red Jamaican, spot, 2s. 9d. to 3s. per lb.

SEEDS.—CELERY.—Spot, Indian, 1s. 6d. per lb., ex Liverpool. CORIANDER.—Spot, Morocco, 120s.; Indian, 120s. CUMIN.—Spot, Indian, 205s., ex Liverpool. DILL.—Spot, Indian, 70s., ex wharf London, and 67s. 6d., ex Liverpool. FENNEL.—Spot, Indian, 175s., ex Liverpool. FENUGREEK.—Spot, Indian, 70s., ex London.

SENEGA ROOT.—A cable from Winnipeg reports that the United States is short and is buying all possible supplies. Price mentioned is $3 per lb.

SQUILL.—Some brown material may be had at 45s. per cwt., on spot.

TRAGACANTH.—Spot price of selected grades is firm at £160 per cwt., with supplies scarce. Medium grades are quoted as follows: No. 1 white, £145 per cwt.; No. 2, white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf from £17; hoggy, £12 to £15.

TURMERIC.—Spot, Madras finger, 95s. per cwt., ex wharf London; 92s. 6d., ex store, Liverpool.

VALERIAN.—Belgian root is firm on spot at 250s. per cwt.

WAXES.—Current rates for CARNAUBA are: Fatty grey, spot, 1,000s. per cwt.; chalky, 1,075s.; prime yellow, 1,200s.; fatty grey, afloat, 1,050s.; mediana, afloat, 1,150s. BEES'.—Quoted on the market as follows: Dar-es-Salaam, spot, 320s. per cwt.; afloat, 310s., c.i.f.; Benguela, spot in bond, 285s. OURICURI.—July–August, 620s. per cwt., c.i.f. CANDELILLA.—Spot, 490s. per cwt.; to arrive, 490s., landed terms.

Essential and Expressed Oils

CASTOR.—Bulk supplies are quoted as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works.

CLOVE.—English-distilled bud oil is unchanged at 12s. per lb.

COCONUT.—Bulk supplies of crude oil continue at £49 per ton, but refined deodorised has been advanced by £7 per ton to £56. Refined hardened deodorised has been increased by £7 per ton to £60. All prices are naked ex works.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined edible, £57; refined deodorised, £58, naked ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°–52°, £63.

LINSEED.—Bulk supplies of crude are officially quoted at £65 per ton, naked ex works.

PALM KERNEL.—Refined deodorised has been advanced by £7 per ton to £56, and refined hardened deodorised by the same amount to £60 per ton, both naked ex works.

MISCELLANEOUS INQUIRIES

Dealing in Almond Oil.—*L.E.*—No licence is required for the sale of small quantities of this oil, but if you intend to deal in large amounts the permission of the Director of Medical Supplies must be sought.

Transport of Penicillin.—*M.E.J.*—The best suggestion so far made for securing safe transport of penicillin preparations under proper conditions is that a wide-mouthed vacuum container, as issued by certain manufacturers of vacuum flasks, should be used. In transit this could be protected by enclosing in a padded box.

Denture Powder.—*M.K.*—The following formula may meet your requirements :—

Precipitated chalk	50 gm.
Powdered sodium perborate ..	12 gm.
Sodium bicarbonate	10 gm.
Dental soap	5 gm.
Magnesium carbonate	23 gm.
Saccharin	q.s.
Flavouring	q.s.

Anti-midge Lotion.—*S.C.M.*—The formula recently announced by the Advisory Committee of the Department of Health for Scotland is as follows :—

Lanette wax SX	5 gm.
Triethanolamine	9 c.c.
Oleic acid	27 c.c.
Dimethylphthalate	100 c.c.
Water	100 c.c.

Non-staining Hair Creams.—*H.D.C.*—Many of the modern hair creams owe their popularity to the fact that they are oil-in-water emulsions and do not leave greasy stains on hats, etc. Greasiness is imparted by adding more oil. Two formulas are :—

I

Diglycol laurate	20
Liquid paraffin	50
Water	70
Perfume	q.s.
Preservative	q.s.

II

Diglycol stearate	12
Liquid paraffin	35
Water	120
Perfume	q.s.
Preservative	q.s.

Pour the oil into the diglycol laurate mixed previously with the water, agitating continuously. Fixative properties may be increased by replacing a part of the water with 4 per cent. methyl cellulose solution, or a little tragacanth. Vegetable oils may replace liquid paraffin.

Petrifying Solutions.—*T.P.S.*—The following solutions are used in successive applications for petrifying wall surfaces :—

I

Calcium chloride	6 lb.
Water	2 gall.

Dissolve, allow to settle, and strain. The solution should be of specific gravity 20° Beaume.

II

Concentrated silicate of soda	1 gall.
Hot water	1 gall.

Mix well and strain. When cold the specific gravity should be adjusted to 20° Beaume by adding silicate of soda or water.

Clean with hot water the surfaces to be coated. Apply a coat of solution No. 1, followed immediately with a coat of solution No. 2. If the surface is not dry in a few hours, apply another coat of solution No. 2. This should give a dry surface which can be worked on as desired. The solutions are intended principally for inside work on plaster walls or ceilings, but may be used for stucco or brick interiors.

Preserving Haddock.—*R.D.*—We hardly think it possible, otherwise than by refrigeration, to preserve haddock without modifying its flavour. In fact, by the usual method of smoking, the flavour owes much of its distinctiveness to the variety of wood burned to create the smoke, and to the conditions under which the smoking is carried out. Whether it is practicable for a fishmonger in retail business to carry out such a process is doubtful, as he will be to some extent in competition with experienced curers, but the following outline of the process which is followed in the Scottish haddock-curing industry may enable him to judge. The haddocks reach the curing-house already split down the belly to the vent and eviscerated. They are beheaded and thoroughly washed with a stiff brush and the black, membranous lining of the abdominal cavity removed. Each fish is split downwards to the tail and cut along the right side of the backbone, rough edges being removed. The haddocks are immersed in strong brine for one to two hours, according to the size of fish, conditions of curing, and flavour desired. They are then suspended on sticks in a smoke-house, after having been drained of the brine for some hours. A fire of hard wood, which is usually oak, but may be rock maple, or birch, is started on the floor of the smoke-house and allowed to burn for eight to eighteen hours, at which point sawdust is applied, producing a dense smoke which thoroughly impregnates the fish. After cooling, the haddocks are packed in boxes.

TRADE MARKS

(*From "The Trade Marks Journal," June 19*)

"DANJOU"; for perfumery, toilet preparations (not medicated) and cosmetic preparations (3). By Saenz Briones & Cia, Paseo Colon Street 1100, Buenos Aires, Argentine. 635,472.

"RAUCOUR"; for toilet preparations (not medicated), perfumes and soaps (3). By Societe D'Etudes et D'Expansion de la Parfumerie de Luxe, 20 Rue de la Paix, Paris. 638,534.

"SETOLAC"; for toilet preparations (not medicated) (3). By Louis Maurice & Co., Ltd., Lowther Road, Holloway, London, N.7. 640,196.

Words "FLAS-FA" and decorative design; for medicinal preparations (5). By D. S. Badwal & Co., Ltd., The Grange, Fleetwood Road, Carleton, Blackpool. 638,690.

"ALLOCIDE"; for pharmaceutical substances for human and veterinary use, sanitary substances, insecticides and preparations for destroying vermin (5). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 639,468 (Associated).

"AGROXONE"; for preparations for killing weeds (5). By Plant Protection, Ltd., Yalding, Kent. 640,026 (Associated).

"METHOXONE"; for preparations for killing weeds (5). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 640,097 (Associated).

"CLERIT"; for insecticides, fungicides and preparations for killing weeds (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 640,171.

"HESPERAL"; for pharmaceutical preparations for human and veterinary use (5). By Parke, Davis & Co., 50-54 Beak Street, London, W.1. 640,217.

"WYETHRICIN"; for all goods (5). By John Wyeth & Brother, Ltd., Oldhill Street, London, N.16. 640,367.

"DIPEGYL"; "ACAVYL"; and PERCAPYL"; for pharmaceutical products (5). By Roussel Laboratories, Ltd., 95 Great Portland Street, London, W.1. 640,449,-51,-52.

"BESTOVA"; for razor blades (8). By Acme Razor Blade Co., 115-16 Clifton Street, Cardiff. B638,270.

"THREE CROWNS"; for safety razors and safety razor blades (8). By Svenska Rakbladsfabriken Aktiebolag, 11 Gastgivaregatan, Grastorp, Sweden. 640,174.

(*From "The Trade Marks Journal," June 26, 1946*)

"VYTON"; for surgical belts (10). By Anestan, Ltd., 59 Brook Street, London, W.1. 640,272.

"SKIATRON"; for scientific apparatus and instruments, electrical apparatus and instruments included in class (9). By Scophony, Ltd., Tregantle, Milton Lane, Wells, Somerset. 640,179.

"DEMOCRAT"; for hair-waving machines and parts thereof not included in other classes (7). By Salon (Nelson), Ltd., Hollin Bank, Nelson, Lancs. 640,136.

"BROTEX"; for menthol cones, styptic pencils, alum blocks for the skin and modelling waxes for dentists (5). By Brotex Products, Ltd., 49a Grayling Road, Stoke Newington, London, N.16. 640,530.

"MAJILAX"; for laxative preparations (5). By Kenyon, Son & Craven, Ltd., The Rother Confectionery Works, Morpeth Street, Rotherham, Yorks. 639,624.

"PATNOL"; for disinfectants; preparations for killing weeds and destroying vermin (5). By Craigbank Chemical Co., Ltd., 170 Buchanan Street, Glasgow, C.1. 640,307.

"MEXANE"; for insecticides and preparations for destroying vermin (5). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 639,451 (Associated).

"THALIA"; for pharmaceutical preparations and substances (5). By William Hay, Ltd., 42–46 Walmsley Street, Hull, Yorks. 639,105.

"ALKESTANE"; for veterinary and sanitary substances, insecticides and preparations for destroying vermin (5). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 638,524.

Device of bird rising from water with fish in beak; for sanitary substances; infants' and invalids' foods; medical and surgical plasters, material prepared for bandaging; material for stopping teeth, dental wax; disinfectants; preparations for killing weeds and destroying vermin (5). By H. Fisher (Oldham), Ltd., Star Works, Edge Lane Street, Royton, Lancs. 638,566.

"TELBUR"; for detergents (3). By M. B. Hughes, 221 Neilston Road, Paisley, Renfrewshire. 640,478.

"NEVELEX"; for perfumes, cosmetic preparations, toilet preparations (not medicated) and sachets for use in hair waving (3). By Lennard, Lee-Narvill & Co., Ltd., Anlaby Road, Hull. 640,433.

"GAMBADE"; for liquid perfumes (3). By Societe D'Etudes et D'Expansion de la Parfumerie de Luxe, 20 Rue de la Paix, Paris. 638,764.

COMING EVENTS

Tuesday, July 9

HIGH WYCOMBE AND WEST BUCKS BRANCH, NATIONAL PHARMACEUTICAL UNION, Red Lion Hotel, High Street, High Wycombe, at 7.30 p.m. Inaugural meeting. Mr. R. H. Kemp, Ph.C. (local organisations officer, N.P.U.), on "The National Health Service and Other Matters."

WIMBLEDON PHARMACISTS' ASSOCIATION, Johnston's Restaurant, Hill Road, Wimbledon, London, S.W.19, at 7.15 p.m. Dr. G. R. Boyes, Ph.C., and Mr. B. J. Thomas, M.P.S., on "Penicillin at the Dispensing Counter."

Sunday, July 14

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Hope, Stanage Edge, and Grindleford. Meet at Central station, 8.45 a.m.

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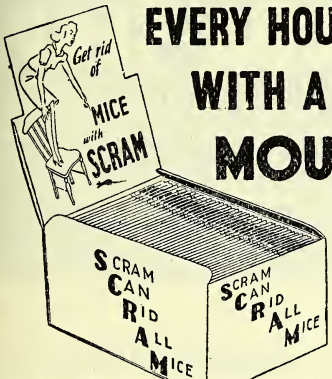

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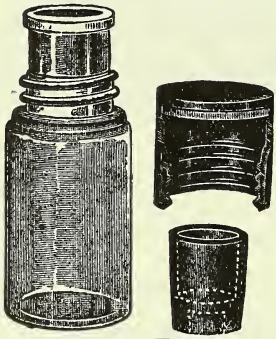

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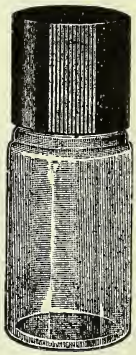

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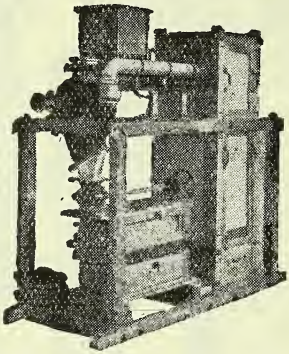

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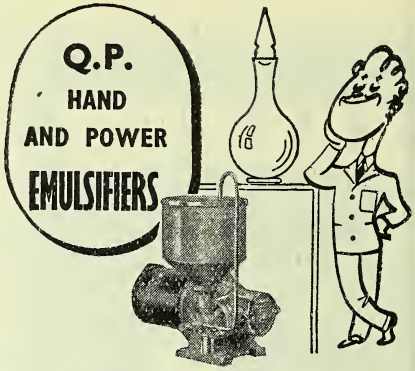

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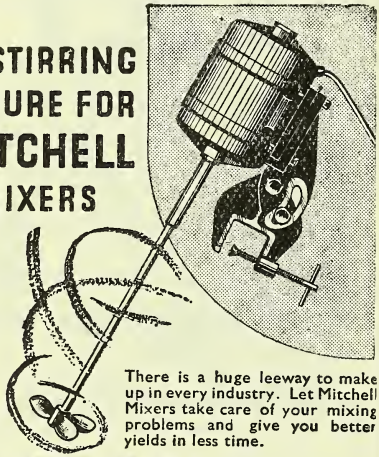

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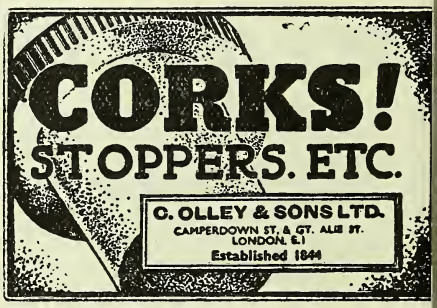

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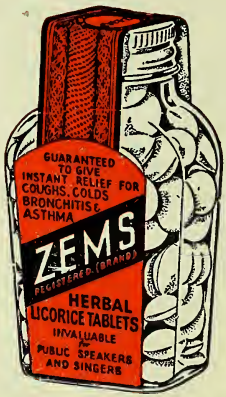

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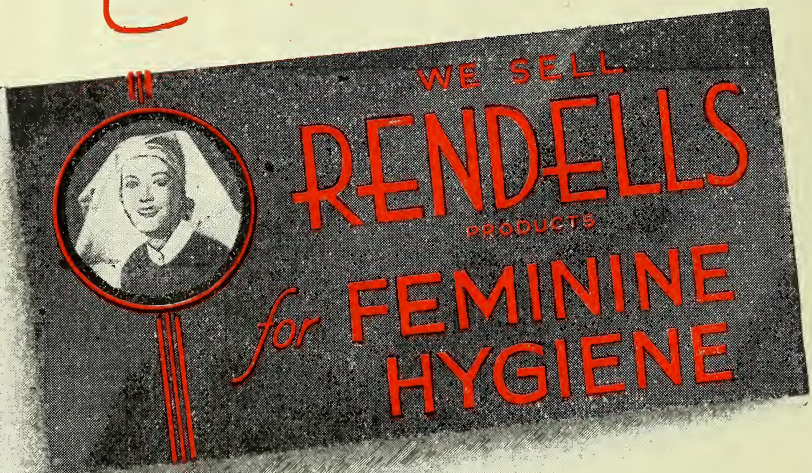

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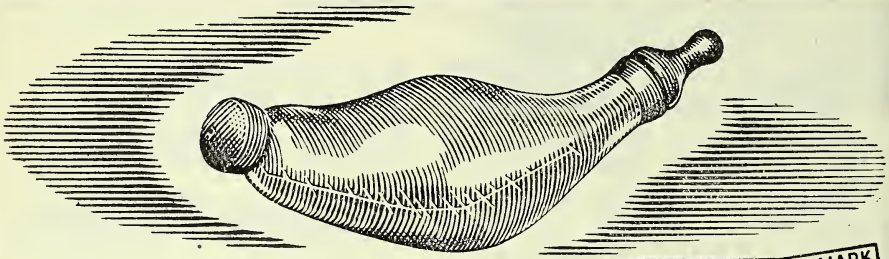

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TEATS & VALVES heat cured . . .

Still made to the same unapproachable quality standards.

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'Pharmitex' PURE TOILET TISSUE is post war quality and for *Chemists only.*

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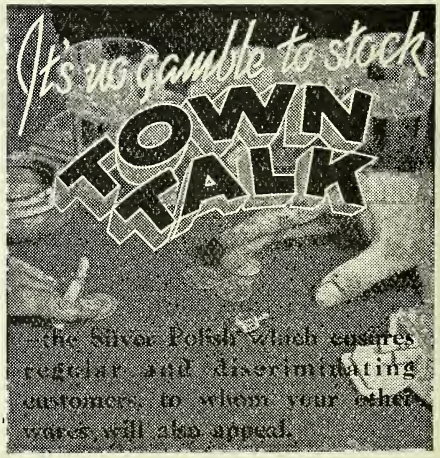
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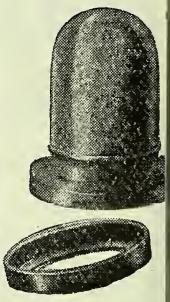

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For Coughs, Colds, Bronchitis, etc. **3/-** glass tubes and **6/-** Carton of 12 Packets, retailing at **6d.** each.

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Herbal Tea

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

JULY 6 1946

28 ESSEX STREET, LONDON, W.C.2

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

SITUATIONS OPEN

6 for 40 words or less, 2d. for every additional word.

RETAIL (HOME)

SSISTANT, Male, Chemist's Photographic Counter, City. Apply "A," 107/338, C. & D. Office.

AMBRIDGE. Male Assistant required for chemistry. Dispensing an asset, not essential. st be alert and a keen salesman with knowledge isplay and stock-keeping. Good prospects for a ng ex-service man. High-class trade. Write ing age, experience and salary expected. 108/378, & D. Office.

TY Pharmacy requires Qualified gentleman. Half day Saturday, no Sunday duties.—44 thall Avenue, E.C.2.

ASTERN Counties. Wanted Chemist-Optician, assistant Managing Director to old-established ate company. (Capital not essential.) Must have ellent experience and references. Full particulars, ry required, etc. 108/375, C. & D. Office.

XPERIENCED Qualified Manager required for new high-class pharmacy shortly opening in chley district. Permanency. Please apply, ng full particulars to S. Simmonds, County ldings, Market Square, Biggleswade, Beds.

ADY Assistant (unqualified) for good-class West End pharmacy. Mainly for dispensing. Usual ticulars to :—Meacher Higgings & Thomas, A Crawford Street, W.1.

ADY, unqualified, for Baker Street Pharmacy. Apply "S," c/o 107/368, C. & D. Office.

ADY Dispenser required. Permanency. Good working coditions. Usual particulars and ry required to—Jessop, Chemist, 9 Hoxton d, Torquay.

EEDS. Qualified Manager required for new Pharmacy about to be opened in high-class ds suburb. Good salary and excellent prospects energetic person. No Sunday or half-day duty. urs 9 a.m. to 6 p.m. Write—108/395, C. & D. ce.

INCOLN County Hospital. Assistant Pharmacist. Salary £320 per annum rising by four ual increments of £15 and a fifth increment of to a maximum of £400. Applications, stating , experience and qualifications should be addressed the Secretary-Superintendent.

ONDON, W.9. Pharmacist required as Superintendent for busy middle class business. Quick nter trade. Lady or Gentleman. Permanency. st be congenial and easy to work with. Half-day ursday. Please apply stating salary required. /213, C. & D. Office.

ANCHESTER. Qualified Assistant required, lady or gent, for good-class suburban business. urs 9 till 6, with good unqualified assistance. d prospects. Please state age, experience and ary required. Refs. 107/349, C. & D. Office.

HARMACIST, young, as Senior Assistant with view to management. Central London. Good spects. Apply Box "B," 107/367, C. & D. Office.

ORRIDGE & COMPANY Employment Agency, Columbia House, Aldwych, W.C.2. Chancery 6446-7. Branches at Southampton and Birmingham. Inquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations. Reasonable terms. Write to Columbia House for particulars.

QUALIFIED Lady required to manage good-class pharmacy, Manchester suburb. Hours 9 till 6. Two unqualified assistants. State age, experience and salary required. Refs. Excellent prospects. 107/348, C. & D. Office.

QUALIFIED Assistant wanted for a good-class business. Give full particulars and salary required. Williams & Smith, Chemists, Horsham.

QUALIFIED Gentleman wanted to manage quick cash business outdoors. Good salary, progressive. Hours 8.30 a.m. to 6 p.m. Age 30 to 50. Staff kept, five or six.—Milner, Chemist, 209 Trafalgar Road, Greenwich, S.E.10.

ROCHDALE. Energetic Manager required for branch shop, lady or gentleman. Good opportunities. Apply Superintendent, Mercers, Ltd., 265 Oldham Road, Rochdale, Lancs.

SILVERTOWN, E.16. Branch Manager required for small well-appointed shop. Easy hours, Saturday half day. Excellent unfurnished accommodation away from shop. Full particulars. Stableford, 32 Seagry Road, Wanstead, E.1.1

STICKLAND & CO. have a vacancy for a dispenser and counter assistant (unqualified), male or female. High-class business, easy hours. Apply B. R. Wilkinson, c/o above, 41 Thurloe Street, S. Kensington.

THE BARNSLEY BRITISH CO-OPERATIVE SOCIETY, LTD., require Permanent Pharmacist (male or female) as Branch Manager. House available. Applications, stating age, experience and wage required to the Secretary, Barnsley British Co-operative Society, Ltd., Wellington Street, Barnsley, Yorks.

UNQUALIFIED Assistants required for Pharmacies in Northamptonshire. Permanent positions with good prospects. Apply P. Jeyes & Co., Ltd., 6 The Drapery, Northampton.

UNQUALIFIED Assistant required for high-class Surrey Pharmacy. Excellent experience afforded in pleasant surroundings. Apply, giving full particulars, with references, and stating salary required. 107/356, C. & D. Office.

UNQUALIFIED Assistant wanted, either sex. Able to assist in dispensing. Apply Davis & Son, 90 Warwick Street, Leamington Spa.

WANTED, Qualified Chemist as Branch Manager. Permanent position ; superannuation scheme ; flat available. The Society have also vacancies for Qualified Locums. Full particulars to Managing Secretary, Scunthorpe Co-operative Society, Ltd., 180 High Street, Scunthorpe.

WANTED. Qualified or Unqualified Lady or Gentleman for high-class West End Pharmacy. Also young girl for counter work. Apply to Hodge, Chemist, 10 Kensington Square, W.8.

WALLASEY. Qualified Chemist (lady or gent.). Permanency. Accommodation if necessary. 108/393, C. & D. Office.

YOUNG Lady (Unqualified) Assistant required for Counter, Window-dressing, Stock, etc. Good-class family business. Pleasant surroundings. Apply to Miss Bishop, 16 Station Approach, Hayes, near Bromley, Kent.

LOCUMS WANTED

QUALIFIED Locum, male or female, required for 6 to 8 months, to take full charge of Pharmacy. Two assistants. Terms to Goodall, 544 Manchester Road, Bradford.

QUALIFIED Locum (lady or gentleman) required immediately for four to six weeks (no Sunday or half-holiday duty). Other staff kept. Full particulars V. and E. Wall, Ltd., 437 Anlaby Road, Hull.

TILBURY HOSPITAL, Essex. Pharmacist Locum Tenens required for August or soonest four weeks. £7 7s. per week. Possibility of board-residence for female applicant. Apply Resident Secretary.

WHOLESALE

ADDITIONAL Representatives in all parts of the country required by London manufacturers. Generous commission terms to those with established connexions among Wholesale, Multiple and Retail Chemists, Grocers and Stores. Excellent returns being made by existing men can be obtained by representatives who can produce results with attractive lines. Details area and lines carried to 107/370, C. & D. Office.

ASSISTANT Chemist required in the laboratory of an old-established company manufacturing high-class perfumery and toiletries. Only those having experience in these lines will be considered. Written applications only giving full particulars of education, experience, age and salary required.—T. F. Bristow & Co., Ltd., Colindale, N.W.9.

CHEMIST. Required, young Chemist to assist Works' Chemist in well-known company manufacturing food products for the Catering Trades. Excellent prospects for the right man. Write fully, stating age, qualifications, experience, when free and salary required. Address application to 107/358, C. & D. Office.

COST Clerks, junior and senior, required (male and female) Typing and Calculating. Experience in Pharmacy or Fine Chemical costing an advantage. Canteen, Sports Club, Pension Scheme. Training scheme for juniors. Write age, experience, salary required to Office Manager, British Drug Houses, Ltd., Graham Street, City Road, N.1.

COSTING, Clerk (female) required by Manufacturing Chemists. Knowledge of typing an advantage. Write: Matthews & Wilson, Ltd., 6 and 8 Cole Street, London, S.E.1.

DRUG Miller required by London house for milling and crushing department. Apply, stating age, experience and salary required to 107/361, C. & D. Office.

EXPERIENCED Tablet Maker required by M/C in West Yorkshire. Position has every opportunity for advancement. State salary required to 107/353, C. & D. Office.

FIRST-CLASS Representative for Proprietary House required for North Wales and Cheshire. Must have previous experience calling upon chemists and reside on the territory, preferably in Chester. Reply in own handwriting, stating age and salary expected, to Box Q.1386, Bensons, Kingsway Hall, London.

KORAY, LTD., require two first-class Represen tives, one for Wales, Worcs. and North Counties, and one for Devon, Isle of Wight, Cornw Somerset and Hampshire. Permanent career man of experience and ability. Salary, commissi and expenses. Apply in writing, giving full det of career to date. We regret we cannot acc incomplete applications, but all letters will answered. Koray House, 25 Hanover Squa London, W.1.

LABORATORY Assistants (male and fema required for Analytical and Research Lab tories. Matriculation or Inter. B.Sc. standa Opportunity given for part-time study. Apply, giv full particulars, age, experience, etc., to Staff Allen & Sons, Ltd., Wharf Road, N.1.

LONDON Manufacturing Chemists offer a rang packed pharmaceuticals for distribution generous commission terms to representatives contacting pharmacists in the counties of Westm land, Cumberland, Durham, Northumberland, Y shire, Lancs, Cheshire, Shrops, Staffs, Wor Herefordshire, Warwickshire, Hunts, Cambs, Es and Home Counties, Surrey, Sussex, Kent. Ple write, giving details of present territory, etc., 105/285, C. & D. Office.

LONDON Manufacturing Chemists require you ambitious man to take over the whole of t copy writing and advertising. 108/382, C. & D. Off

LONDON Manufacturing Chemists require As tant Sales Manager for West End off Wholesale and retail experience. 108/383, C. & Office.

MANUFACTURERS of attractively design quick-selling pharmaceutical specialities quire Representation on the following territori (1) Eastern Counties; (2) Leicester, Northa Oxford, Bucks, Beds, Herts, Berks (or part there Applicants must be well introduced to the retail wholesale Chemists, Co-ops. and Stores. Essen qualifications are fidelity, ability and initiati Exceptional prospects for the selected men. Co mission or salary and commission to commer Reply in confidence, giving fullest particulars as experience, age, lines carried, etc. 108/377, C. & Office.

MANUFACTURERS require Representative w connexion amongst wholesale chemists, dr gists and hairdressers' sundriesmen to sell additio line on commission basis. 106/331, C & D. Office.

MALE or female Cost and Invoice Clerk requir Must be fully conversant with Surgical S dries. Write stating experience and salary requi to the Medical Supply Association, Ltd., 167 Gr Inn Road, W.C.1.

MANUFACTURING Chemist requires energ Representatives, preferably with connexi amongst doctors in London and Greater Lon districts. Applicants must have full knowledge Pharmaceutical Chemicals, Drugs, Galenicals, Apply in first instance, stating full experience territory covered, to 105/298, C. & D. Office.

MEDICAL Representative with pharmaceut qualification required for London area manufacturers of well-known ethical produ Reply in confidence, giving details of age, previ experience, etc., to 107/357, C. & D. Office.

MEDICAL Detailer for India and Ceylon requi by well-known manufacturers of pharmac ticals. Local knowledge essential. Single n preferred. Six to twelve months home service bef overseas appointment. Particulars to Box No. 8 Spottiswoodes, Regent House, Kingsway, W.C.2

REPRESENTATIVES required calling on Che ists, Druggists and Allied Trades, U.K., carry on good commission basis sound selling li A genuine proposition to live and loyal busin getters. Full particulars to 108/379, C. & D. Off

EPRESENTATIVE required by manufacturers of well-introduced line of nationally advertised et rolls to visit existing retail chemist customers he London area. Write 107/365, C. & D. Office.

EPRESENTATIVES wanted with good con- nexion among chemists to carry an expanding of microscopes, optical and camera goods, , etc. Good future scope to men with right nexion. Commission basis. State full details, covered. 107/355, C. & D. Office.

EPRESENTATIVE required for West of England to carry pharmaceutical preparations and dries. Salary, commission and expenses. One h established connexions and car owner pre- ed. 105/302, C. & D. Office.

EPRESENTATIVE required for well-known Luxury Toilet Preparations (A-Class) to be ied as an additional line on commission basis, all on Chemists, Hairdressers, Department Stores rfumery and Drug Section) for various provincial s. Only those who are well introduced to retailers uld apply stating present lines carried and names rms represented. Enclose reference in first letter. /246, C. & D. Office.

EPRESENTATIVE required for Suffolk, Cambs and Essex by firm of wholesalers of chemists' dries. Commission basis. 107/344, C. & D. Office.

EPRESENTATIVE required for Herts, Beds and Bucks by firm of wholesalers of chemists' dries. Commission basis. 107/343, C. & D. Office.

EQUIRED. Girl with some knowledge of pharmaceutical work, to assist manufacturing mist in routine laboratory work. Apothecaries l Certificate an advantage. Apply in first ance to "Chemist," 107/362, C. & D. Office.

OBERTS WINDSOR SOAP COMPANY, LTD. By Appointment Suppliers of Toilet Soap to Majesty King George the Sixth, wish to appoint presentatives to cover the United Kingdom and ell to Grocers, Chemists, Departmental Stores bulk users. The lines to be sold, which are all he highest quality, will include :—The original famous Brown Windsor and other Toilet Soaps ; ranges of Toilet requisites for both men and en ; liquid soaps ; wax polishes ; ammonia household and toilet use ; detergents ; dis- ctants. Write, giving age, education, career, itory, number of "live" accounts, references. applicant calling personally will be considered. 28 High Street, Windsor.

COTLAND. Vacancies occur in Eastern and Western districts for representatives experi- ed in ethical medical propaganda and sales motion through usual professional channels emists, wholesalers, hospitals and doctors). Lead- London manufacturer of ethical medical speciali- offers salary, commission and expenses to men h the requisite connexions and experience and ding in Scotland. Qualification an advantage. ite in confidence, sending full particulars to /276, C. & D. Office.

ABLET Maker required by a reputable firm of manufacturing chemists. Applicants must be y conversant with all kinds of tablet making sugar coating, and must understand rotary chines. 5-day week. Apply in first instance to /341, C. & D. Office.

ECHNICAL Copy-writer. Pharmacist with sound scientific training and literary ability uired to assist in the preparation of instructional advertising literature. The position is permanent pensionable. Applications, which should give ticulars regarding age, experience and salary uired, should be sent to the Manager, Marketing vision, Burroughs Wellcome & Co., 183-193 ston Road, N.W.1.

OUNG Lady (Hall qualification) required for production of toilet preparations. Responsible ition London, S.E., area. State full details of perience and salary required and when available 108/385, C. & D. Office.

WHOLESALE (OVERSEAS)

APPLICATIONS are invited for Assistants in the overseas organisations (India and China) of a firm of international repute engaged in the manufacture of ethical medical products. The candidates, who will be required to control staff, should be unmarried, age 25-28, of good education and appearance and preference will be given to those who have had experience in the wholesale pharmaceutical trade and of dealing with medical men. Qualification in pharmacy or chemistry an advantage. A good salary and first-class travelling expenses will be paid. Apply to 107/363, C. & D. Office, giving details, in confidence, of experience, age, height, and when available. Please enclose photograph.

A YOUNG medical Copy-writer is required in the Bombay offices of a firm of international repute engaged in the manufacture of ethical medical products. A knowledge of the advertising of pharmaceutical products and previous experience in medical copy-writing is essential. Adequate material will be supplied from the Head Offices. Ability to read French or German for the purpose of abstracting medical literature an advantage. A good salary and first-class travelling expenses will be paid. Apply to 107/364, C. & D. Office, giving details, in confidence, of experience, age, and when available. Please enclose photograph.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

DANISH female Chemist Assistant desires work in London either in a chemist's stores, hospital dispensary or laboratory. Has Danish Diploma in chemistry and eight years' experience in Copenhagen. Speaks fluent English. Age 26, unmarried. Available October 1. For further particulars apply—Miss Nebelong-Hansen, Frydendalsvej 30, Copenhagen V, Denmark.

YOUNG M.P.S. desires to undertake Managership small Village or Branch Pharmacy. Prospects future ownership advantage Living accommodation essential. 30-mile radius London preferred. 108/376, C. & D. Office.

WHOLESALE

ALL AREAS can be covered by well-connected and experienced Representatives introduced through the Free services of the Employment Bureau of the United Commercial Travellers' Association, 180 Tottenham Court Road, London, W.1. Employers are cordially invited to notify present or future vacancies to the U.C.T.A. (Dept. C.).

ENGLISHMAN, resident in South Africa, with South African qualifications, and desirous of returning to England, requires position. Age 42, married. Excellent knowledge South African conditions. Could undertake position in Export Dept. 16 years' experience wholesale and import trade, with special knowledge of requirements and equipping of hospitals. Would also consider purchase of, or partnership in, business. Capital available £1,500-£2,000. 106/337, C. & D. Office.

EX-SERVICEMAN 40 years of age, with pre-war connexion in Home Counties, desires position representing good firm in the same territory. Hard and willing worker, good references, own car if required. Salary/commission basis. 108/394, C. & D. Office.

RELIABLE active man experienced manufacture toilets, cosmetics, ointments, etc., control stock, staff ; retail and wholesale chemists experience ; desires working foreman, chemist or supervisory job. Excellent references ; £7-£8. "Newman," 112 Spring Grove Road, Hounslow, Middlesex.

SALES Manager, aged 46, Home Export Budgetary, Sales Control, modern marketing, advertising, etc., experienced pharmaceutical grocer outlets and medical profession. Free shortly. 107/366, C. & D. Office.

APPOINTMENTS

CITY OF NOTTINGHAM

HEALTH AND SOCIAL WELFARE COMMITTEES

DEPUTY CHIEF PHARMACIST

Applications are invited for the appointment of Deputy Chief Pharmacist at the City Hospital, Nottingham, to commence on August 1, 1946.

Candidates should be qualified pharmacists (preferably Ph.C.) and have had at least three years' experience in hospital pharmacy.

The successful candidate will work under the direction of the chief pharmacist and be required to undertake duties in other city dispensaries as occasion demands.

Salary in accordance with the Joint Negotiating Committee's scale, i.e. £375 by £20 annual increments, to a maximum of £475.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination, and to reside within the boundaries of the city.

Applications should be sent forthwith to the undersigned.

J. E. RICHARDS,
Town Clerk.

The Guildhall,
Nottingham.
June 24, 1946.

COUNTY BOROUGH OF SOUTHEND-ON-SEA

SOUTHEND MUNICIPAL HOSPITAL,
ROCHFORD, ESSEX

The Health Committee of the Council invite applications for the post of Non-Resident ASSISTANT PHARMACIST at the above Hospital. Candidates should hold one of the registerable qualifications of the Pharmaceutical Society. The salary is at the rate of £320 by 15(4) by 20(1), including War bonus. The provisions of the Local Government and Other Officers Superannuation Act, 1937 will apply and the person appointed must satisfy the Council's Medical Examiner.

Application Forms, which can be obtained from the Medical Superintendent of the Hospital, must be completed and returned to him as soon as possible.

ARCHIBALD GLEN,
Town Clerk.

June, 1946.

HILL END EMERGENCY HOSPITAL

ST. ALBANS

TEMPORARY ASSISTANT PHARMACIST (male or female) required. Three other pharmacists employed. Salary £320 per annum, rising by four increments of £15 and one of £20 to a maximum of £400 per annum. Accommodation can be found in the Hospital for female pharmacists at a charge of 29s. per week for full board, lodging and laundry. Apply, stating age, qualifications, particulars of experience to the Medical Director.

LOCUM ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. Post vacant 27.7.46. Salary £7 7s. 0d. p. wk., plus temporary bonus (now 23s. p. wk. for adults). Applications immediately to MEDICAL DIRECTOR of hospital.

LOCUM ASSISTANT DISPENSER (Hall qualification or Part 1) required for two weeks commencing August 26. Salary according to experience. Apply to Secretary and House Governor, Royal East Sussex Hospital, Hastings.

LOCUM PHARMACIST (Senior) at £8 10s. 0d. incl. required at ST. HELIER COUNTY HOSPITAL, Wrythe Lane, Carshalton, FARNHAM COUNTY HOSPITAL, FARNHAM, and at EPSOM COUNTY HOSPITAL, Dorking Road, Epsom.

LOCUM PHARMACIST (Asst.) at £7 10s. 0d. p.w. incl. required at ST. HELIER COUNTY HOSPITAL, Carshalton, BOTLEY'S PARK WAR HOSPITAL, Chertsey, and at EPSOM COUNTY HOSPITAL, Dorking Road, Epsom. Candidates must possess Ph.C. or Chemist and Druggist qualification.

Apply in writing to Medical Superintendent of appropriate Hospital.

PHARMACIST (HOLIDAY RELIEF) wanted at the Essex County Council Hospital Wanstead, for a period of three weeks on and from July 20, 1946. Inclusive salary at the rate of £8 8s. 0d. a week. Applications, together with copies of not more than three recent testimonials, should be addressed to the Clerk of the Council, County Hall, Chelmsford, as soon as possible.

SURREY COUNTY COUNCIL

SENIOR ASSISTANT PHARMACIST required at :—

KINGSTON COUNTY HOSPITAL, Wolverton Avenue, Kingston-on-Thames.

Candidates must possess Ph.C. or Chemist and Druggist qualification, and should have had no less than three years hospital experience. Commencing salary on grade £365 by annual increments of £15—£400 p.a. inclusive.

ASST. PHARMACISTS at :—

ST. HELIER COUNTY HOSPITAL, Wrythe Lane, Carshalton.

BOTLEYS PARK HOSPITAL, Chertsey.

Must possess Ph.C. or Chemist and Druggist qualifications, salary on grade £320 by annual increments of £15—£400 p.a. inclusive. Apply to Medical Superintendent of appropriate Hospital.

THORPE COMBE MATERNITY HOSPITAL

WALTHAMSTOW, E.17

Applications are invited for the whole-time appointment of Clerk/Dispenser at the above Hospital.

Duties will include the charge of medical and surgical stock and the general duties of a small dispensary. The latter being very light.

Previous experience is desirable but the M.P.S. is not necessary. Experience in shorthand and typewriting is also desirable.

Applicants must be over 21 years of age and the commencing salary will vary from £140 to £170 per annum according to age, plus bonus of £48 per annum.

Applications endorsed Clerk/Dispenser should be addressed to the undersigned.

G. A. BLAKELEY, ESQ.,
Town Clerk

Town Hall,
E.17.

BUSINESS OPPORTUNITIES

2/6 for 36 words or less, 3d. for every additional word.

DVERTISER proposing to introduce an important food preparation would like to contact a n of manufacturing chemists prepared to undere manufacture (materials are in good supply and controlled) and if possible fill containers for ivery. The project is likely to be a permanent and idly expanding one. Write Box PS.22, Deacons vertising, 36 Leadenhall Street, E.C.3.

PPLICATIONS invited from London firms with automatic powder fillers, capable of handling tons per week; powder and all packing materials plied. 108/372, C. & D. Office.

GYPT. Dr. Marcel Cohen, from Dr. Marcel Cohen & Amin Tadros, Cairo, pharmaceutical nts, actually in London, would like to get in ch with manufacturers. Phone: Welbeck 4151. ite: 105 Gloucester Place, Portman Square, 1., London.

ONDON Manufacturing Chemists with their own Sales Organisation calling on manufacturers, olesalers and retailers, would be pleased to hear n firms requiring representation. 108/381, C. & D. ice.

ANUFACTURING Chemist, Ph.D., F.R.I.C., with wide experience in the large scale protion of Fine Chemicals and Medicinals, wishes to uire partnership or control in wholesale druggist small manufacturing business. 105/293, C. & D. ice.

ANUFACTURERS in every field desirous finding permanent and lucrative markets oad for all products without increasing staff are ited write Overseas Marketing Services, Section . 23 Haymarket, London, S.W.1.

LD-ESTABLISHED Machine Packers and Distributors desire bulk materials suitable for king in 4, 8 or 16 oz. packets under their registered ie marks. 105/274, C. & D. Office.

OILET & PERFUMERY CO., LTD., Dorset. Closed last 6-7 years. Now reopening with tractive range of high-class specialities under clusive Registered Trade Mark designations, uires Investing Director (fully secured). Preferv active. Board of Trade Licence and Quota. /327, C. & D. Office.

ELL-KNOWN London Manufacturers with ample plant, selling and delivery organisation prepared to negotiate for the complete handling suitable dry goods, cereals, spices, powders, etc. ite D.G., 108/380, C. & D. Office.

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